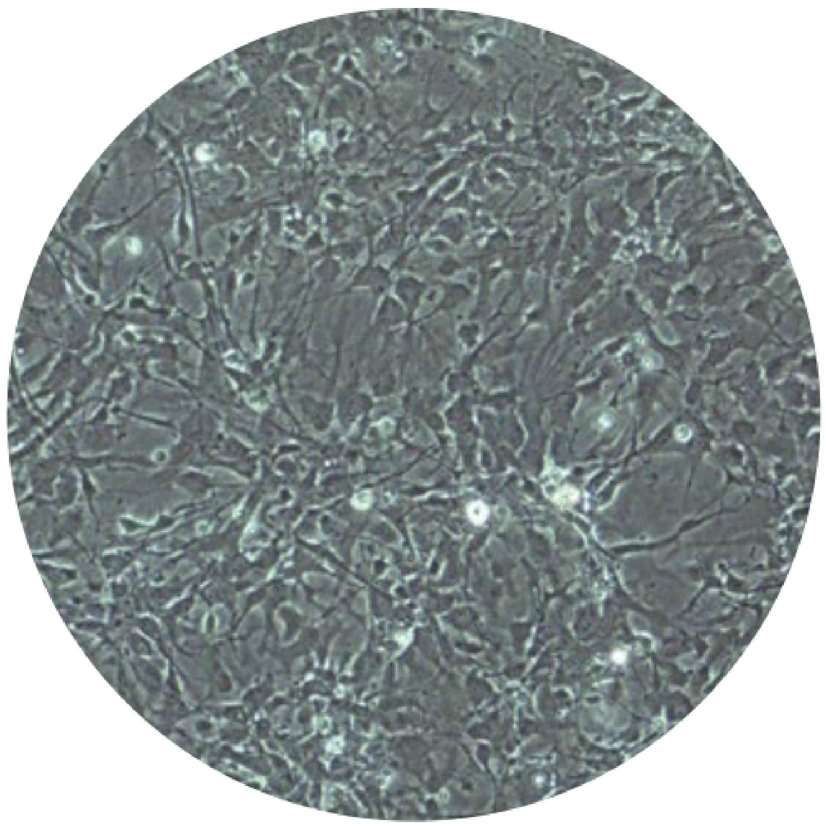
HUMAN STEM CELLS
CB660



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN FOETAL FOREBRAIN

Organism: Homo sapiens, human

Cell Type: Human neural stem cell

Source: Foetal cortex at embryonic 50-55 days (Carnegie stages 19-22)

Datasheet: Available under request

REFERENCES

1. Sun Y, Pollard S, Conti L, Toselli M, Biella G, Parkin G, Willatt L, Falk A, Cattaneo E, Smith A. Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. Mol Cell Neurosci. 2008 Jun;38(2):245-58.
2. Sun Y, Kong W, Falk A, Hu J, Zhou L, Pollard S, Smith A. CD133 (Prominin) negative human neural stem cells are clonogenic and tripotent. PLoS One. 2009;4(5):e5498.
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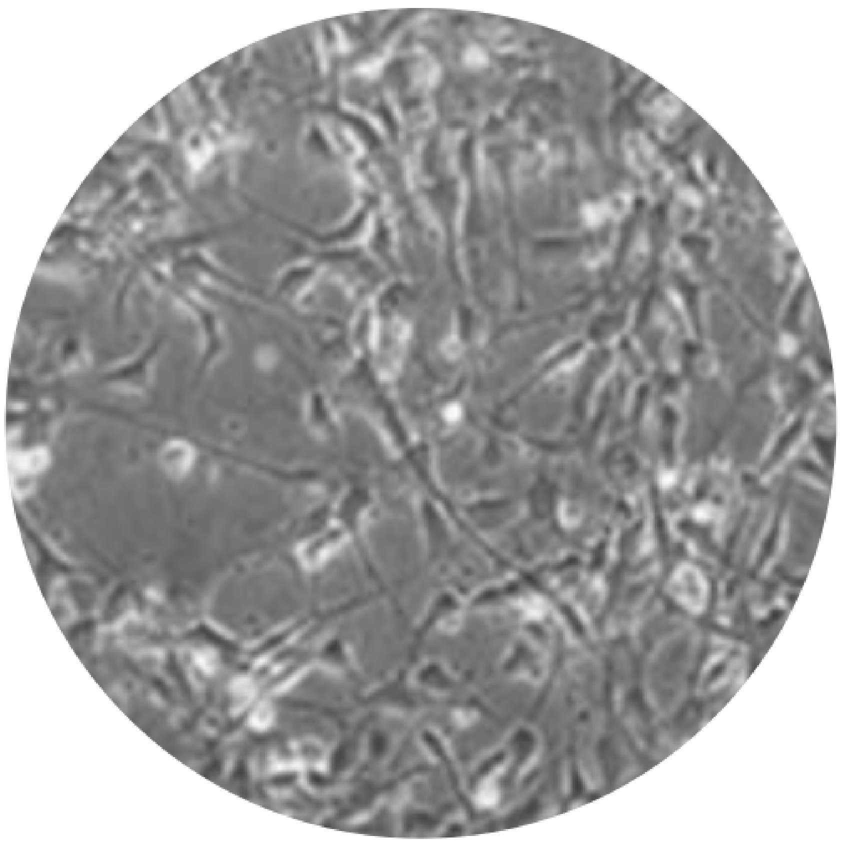
4. Baronchelli S, Bentivegna A, Redaelli S, Riva G, Butta V, Paoletta L, Isimbaldi G, Miozzo M, Tabano S, Daga A, Marubbi D, Cattaneo M, Biunno I, Dalprà L. Delineating the cytogenomic and epigenomic landscapes of glioma stem cell lines. PLoS One. 2013;8(2):e57462.

HUMAN STEM CELLS
CB660SP



DESCRIPTION

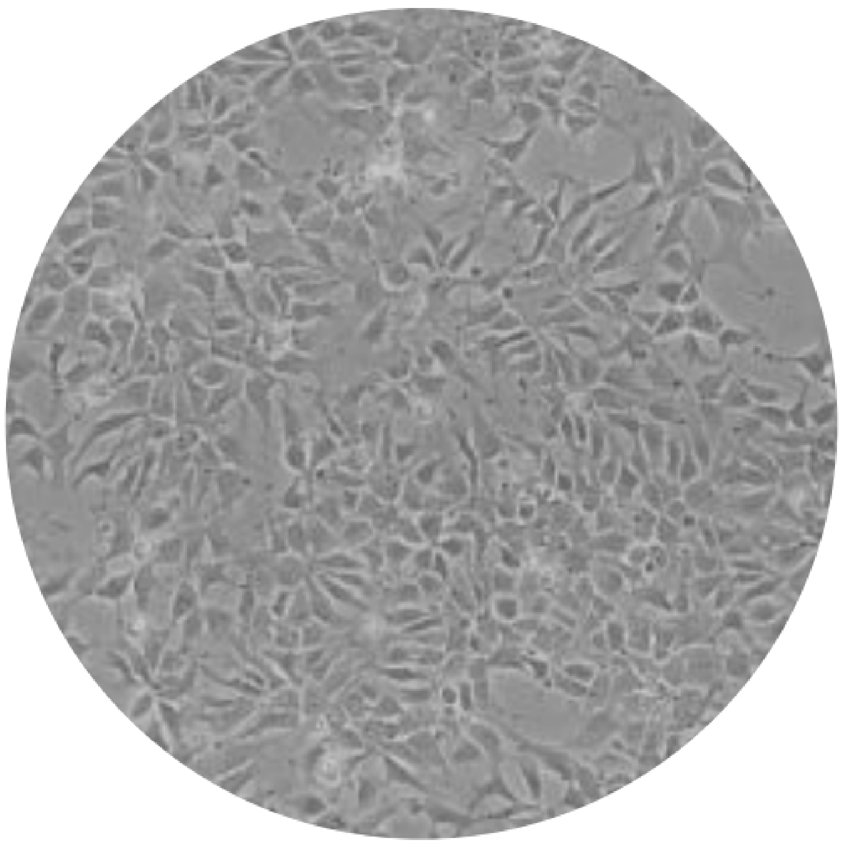
NEURAL STEM CELLS DERIVED FROM HUMAN FOETAL SPINAL CORD

Organism: Homo sapiens, human
Cell Type: Human neural stem cell
Source: Foetal spinal cord at embryonic 50-55 days (Carnegie stages 19-22)
Datasheet: Available under request

REFERENCES

1. Sun Y, Pollard S, Conti L, Toselli M, Biella G, Parkin G, Willatt L, Falk A, Cattaneo E, Smith A. Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. Mol Cell Neurosci. 2008 Jun;38(2):245-58.
2. Sun Y, Kong W, Falk A, Hu J, Zhou L, Pollard S, Smith A. CD133 (Prominin) negative human neural stem cells are clonogenic and tripotent. PLoS One. 2009;4(5):e5498.
3. Fujimoto Y, Abematsu M, Falk A, Tsujimura K, Sanosaka T, Juliandi B, Semi K, Namihira M, Komiya S, Smith A, Nakashima K. Treatment of a mouse model of spinal cord injury by transplantation of human induced pluripotent stem cell-derived long-term self-renewing neuroepithelial-like stem cells. Stem Cells. 2012 Jun;30(6):1163-73.
4. Baronchelli S, Bentivegna A, Redaelli S, Riva G, Butta V, Paoletta L, Isimbaldi G, Miozzo M, Tabano S, Daga A, Marubbi D, Cattaneo M, Biunno I, Dalprà L. Delineating the cytogenomic and epigenomic landscapes of glioma stem cell lines. PLoS One 2013;8(2):e57462.

HUMAN STEM CELLS
SAI2



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN FOETAL HINDBRAIN

Organism: Homo sapiens, human
Cell Type: Human neural stem cell
Source: Foetal spinal cord at embryonic 50-55 days (Carnegie stages 19-22)
Datasheet: Available under request

REFERENCES

1. Sun Y, Pollard S, Conti L, Toselli M, Biella G, Parkin G, Willatt L, Falk A, Cattaneo E, Smith A. Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. Mol Cell Neurosci. 2008 Jun;38(2):245-58.
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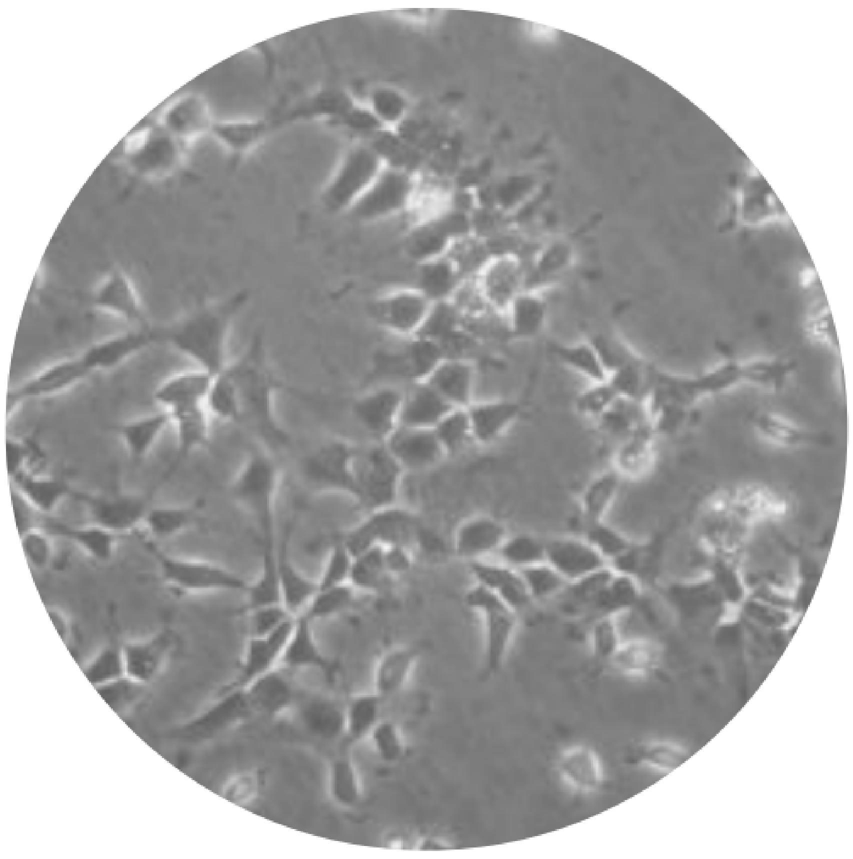
3. Fujimoto Y, Abematsu M, Falk A, Tsujimura K, Sanosaka T, Juliandi B, Semi K, Namihira M, Komiya S, Smith A, Nakashima K. Treatment of a mouse model of spinal cord injury by transplantation of human induced pluripotent stem cell-derived long-term self-renewing neuroepithelial-like stem cells. Stem Cells. 2012 Jun;30(6):1163-73.
4. Baronchelli S, Bentivegna A, Redaelli S, Riva G, Butta V, Paoletta L, Isimbaldi G, Miozzo M, Tabano S, Daga A, Marubbi D, Cattaneo M, Biunno I, Dalprà L. Delineating the cytogenomic and epigenomic landscapes of glioma stem cell lines. PLoS One 2013;8(2):e57462.

HUMAN STEM CELLS AF22



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN INDUCED PLURIPOTENT STEM CELLS

Organism: Homo sapiens, human
Cell Type: Human neuroepithelial stem cell
Source: induced pluripotent stem cells (iPSCs) generated from reprogrammed adult fibroblasts (ADF)
Datasheet: Available under request

REFERENCES

1. Falk A, Koch P, Kesavan J, Takashima Y, Ladewig J, Alexander M, Wiskow O, Tailor J, Trotter M, Pollard S, Smith A, Brustle O. Capture of Neuroepithelial-like Stem Cells from Pluripotent Stem Cells Provides a Versatile System for in vitro Production of Human Neurons. PLoS One. 2012 Jan;7(1):e29597.
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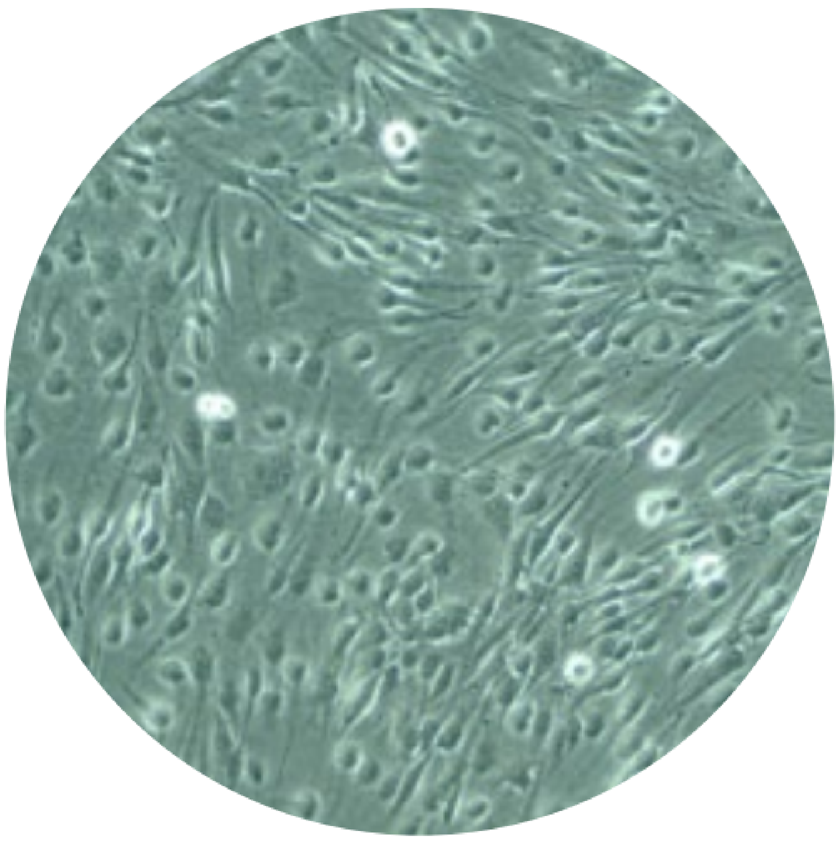
6. La Spada A,

HUMAN STEM CELLS
G179



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN GLIOBLASTOMA MULTIFORME

Organism: Homo sapiens, human
Cell Type: Glioma stem cell
Source: Adult glioblastoma multiforme
(giant cell variant, 56 year-old male)
Datasheet: Available under request

REFERENCES

1.Pollard SM, Yoshikawa K, Clarke ID, Danovi D, Stricker S, Russell R et al. Glioma stem cell lines expanded in adherent culture have tumor-specific phenotypes and are suitable for chemical and genetic screens. Cell Stem Cell 2009; 4: 568–580.
2. Agnihotri S, Wolf A, Munoz DM, Smith CJ, Gajadhar A, Restrepo A, Clarke ID, Fuller GN, Kesari S, Dirks PB, McGlade CJ, Stanford WL, Aldape K, Mischel PS,Hawkins C, Guha A. A GATA4-regulated tumor suppressor network represses formation of malignant human astrocytomas. J Exp Med. 2011 Apr 11;208(4):689-702.
3. Baronchelli S, Bentivegna A, Redaelli S, Riva G, Butta V, Paoletta L, Isimbaldi G, Miozzo M, Tabano S, Daga A, Marubbi D, Cattaneo M, Biunno I, Dalprà L. Delineating the cytogenomic and epigenomic landscapes of glioma stem cell lines. PLoS One 2013;8(2):e57462.
4. Danovi D, Folarin A, Gogolok S, Ender C, Elbatsh AM, Engström PG, Stricker SH, Gagrica S, Georgian A, Yu D, U KP, Harvey KJ, Ferretti P, Paddison PJ, Preston JE, Abbott NJ, Bertone P, Smith A, Pollard SM. A high-content small molecule screen identifies sensitivity of glioblastoma stem cells to inhibition of polo-like kinase 1. PLoS One. 2013 Oct 30;8(10):e77053.
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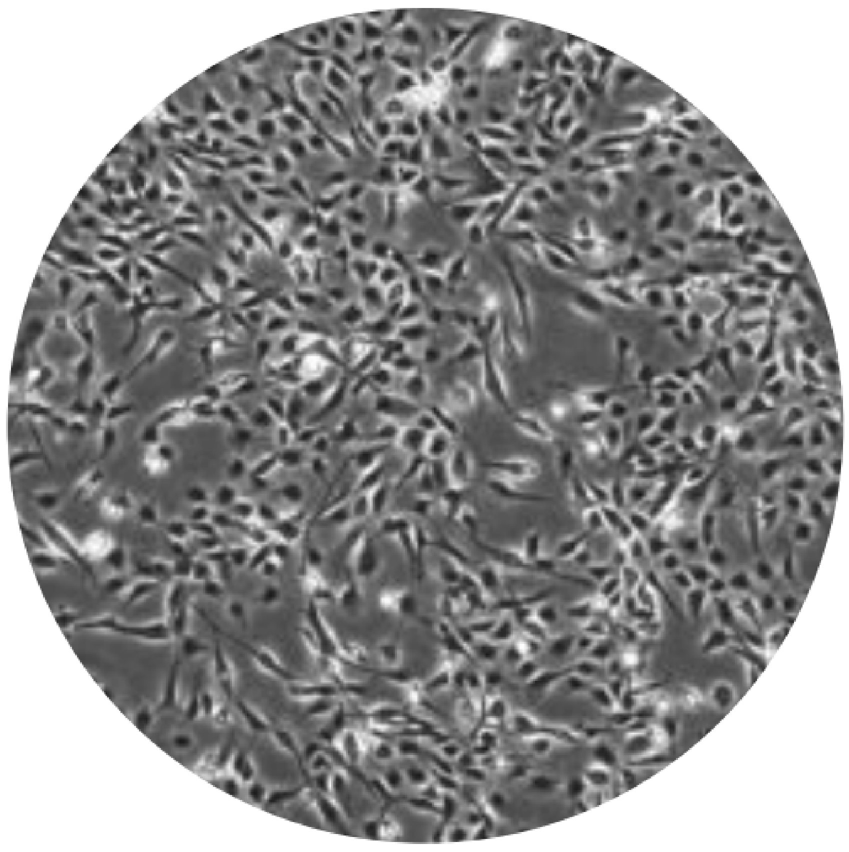
HUMAN STEM CELLS
G166



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN GLIOBLASTOMA MULTIFORME

Organism: Homo sapiens, human

Cell Type: Glioma stem cell

Source: Adult glioblastoma multiforme (74 year-old female)

Datasheet: Available under request

REFERENCES

1.Pollard SM, Yoshikawa K, Clarke ID, Danovi D, Stricker S, Russell R et al. Glioma stem cell lines expanded in adherent culture have tumor-specific phenotypes and are suitable for chemical and genetic screens. Cell Stem Cell 2009; 4: 568–580.

2. Cattaneo M, Lotti LV, Martino S, Alessio M, Conti A, Bachi A, Mariani-Costantini R, Biunno I. Secretion of novel SEL1L endogenous variants is promoted by ER stress/UPR via endosomes and shed vesicles in human cancer cells. PLoS One. 2011 Feb 17;6(2):e17206.

3. Agnihotri S, Wolf A, Munoz DM, Smith CJ, Gajadhar A, Restrepo A, Clarke ID, Fuller GN, Kesari S, Dirks PB, McGlade CJ, Stanford WL, Aldape K, Mischel PS,Hawkins C, Guha A. A GATA4-regulated tumor suppressor network represses formation of malignant human astrocytomas. J Exp Med. 2011 Apr 11;208(4):689-702.

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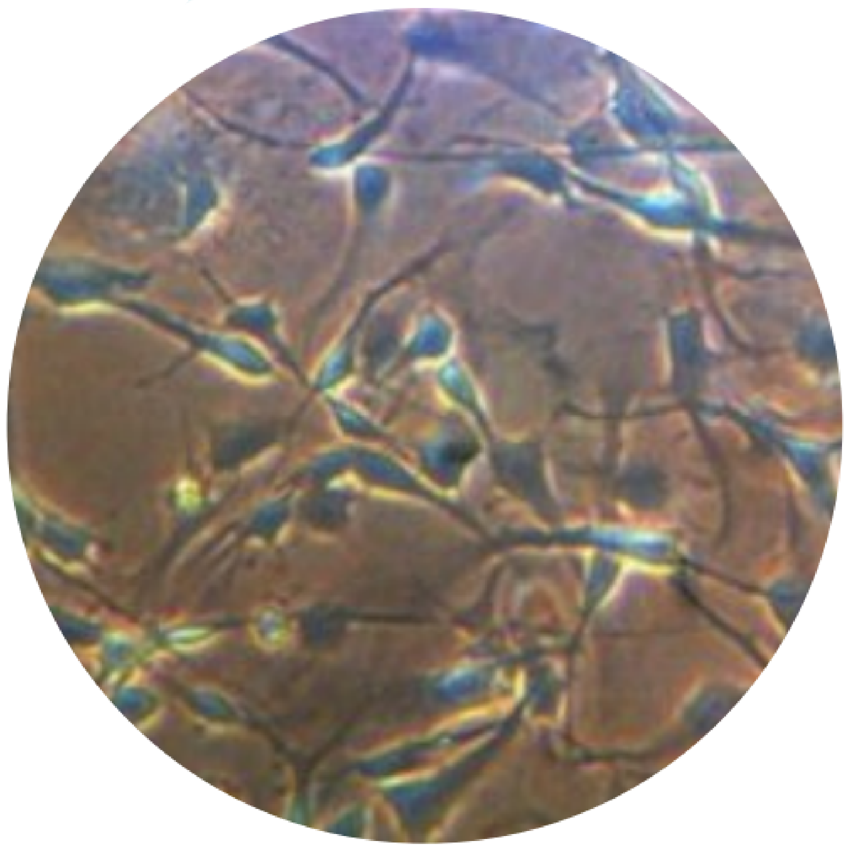
6. Gangoso E, Thirant C, Chneiweiss H, Medina JM and Tabernero A. A cell-penetrating peptide based on the interaction between c-Src and connexin43 reverses glioma stem cell phenotype. Cell Death Dis. 2014 Jan 23;5:e1023.

HUMAN STEM CELLS
G144



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN GLIOBLASTOMA MULTIFORME

Organism: Homo sapiens, human
Cell Type: Glioma stem cell
Source: Adult glioblastoma multiforme (51 year-old male)
Datasheet: Available under request

REFERENCES

1.Pollard SM, Yoshikawa K, Clarke ID, Danovi D, Stricker S, Russell R et al. Glioma stem cell lines expanded in adherent culture have tumor-specific phenotypes and are suitable for chemical and genetic screens. Cell Stem Cell 2009; 4: 568–580.
2. Panchalingam KM, Paramchuk WJ, Chiang CY, Shah N, Madan A, Hood L, Foltz G, Behie LA. Bioprocessing of human glioblastoma brain cancer tissue. Tissue Eng Part A. 2010 Apr;16(4):1169-77.
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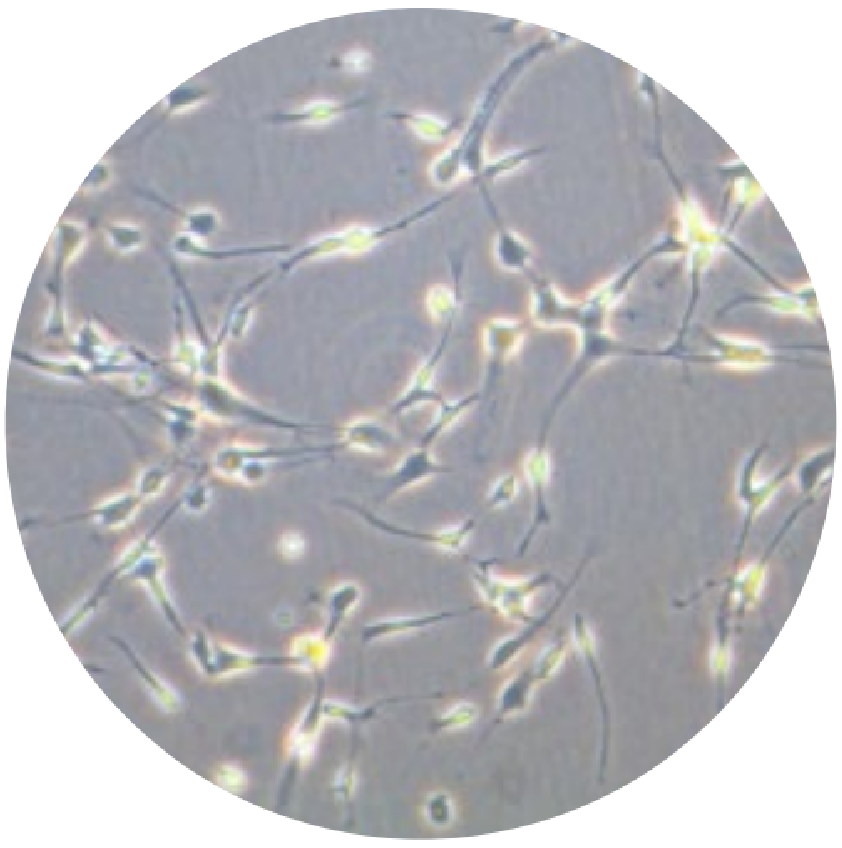
7. Danovi D, Folarin A, Gogolok S, Ender C, Elbatsh AM, Engström PG, Stricker SH, Gagrica S, Georgian A, Yu D, U KP, Harvey KJ, Ferretti P, Paddison PJ, Preston JE, Abbott NJ, Bertone P, Smith A, Pollard SM. A high-content small molecule screen identifies sensitivity of glioblastoma stem cells to inhibition of polo-like kinase 1. PLoS One. 2013 Oct 30;8(10):e77053.
8. Gangoso E, Thirant C, Chneiweiss H, Medina JM and Tabernero A. A cell-penetrating peptid

HUMAN STEM CELLS
GLINS2



DESCRIPTION

NEURAL STEM CELLS DERIVED FROM HUMAN GLIOBLASTOMA MULTIFORME

Organism: Homo sapiens, human
Cell Type: Glioma stem cell
Source: Adult glioblastoma multiforme (54 year-old male)
Datasheet: Available under request

REFERENCES

1.Pollard SM, Yoshikawa K, Clarke ID, Danovi D, Stricker S, Russell R et al. Glioma stem cell lines expanded in adherent culture have tumor-specific phenotypes and are suitable for chemical and genetic screens. Cell Stem Cell 2009; 4: 568–580.
2. Panchalingam KM, Paramchuk WJ, Chiang CY, Shah N, Madan A, Hood L, Foltz G, Behie LA. Bioprocessing of human glioblastoma brain cancer tissue. Tissue Eng Part A. 2010 Apr;16(4):1169-77.
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4. Agnihotri S, Wolf A, Munoz DM, Smith CJ, Gajadhar A, Restrepo A, Clarke ID, Fuller GN, Kesari S, Dirks PB, McGlade CJ, Stanford WL, Aldape K, Mischel PS,Hawkins C, Guha A. A GATA4-regulated tumor suppressor network represses formation of malignant human astrocytomas. J Exp Med. 2011 Apr 11;208(4):689-702.
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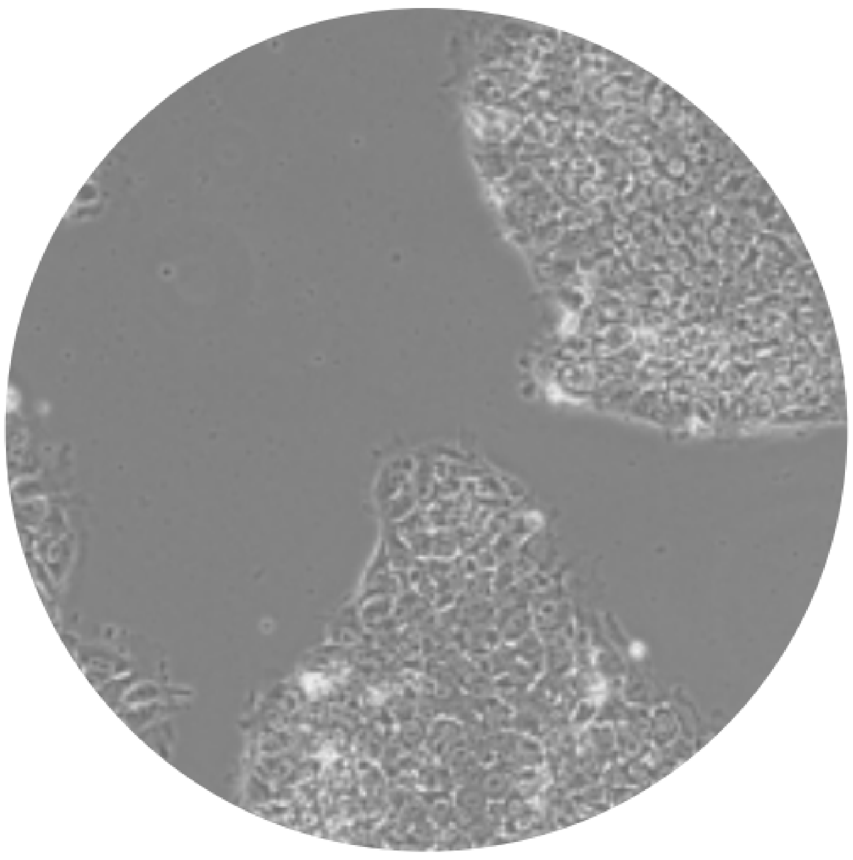
8. Gangoso E, Thirant C, Chneiweiss H, Medina JM and Tabernero A. A cell-penetrating peptide based on the interaction between c-Src and connexin43 reverses glioma stem cell phenotype. Cell Death Dis. 2014 Jan 23;5:e1023.

HUMAN STEM CELLS
HIPS CTR4#9



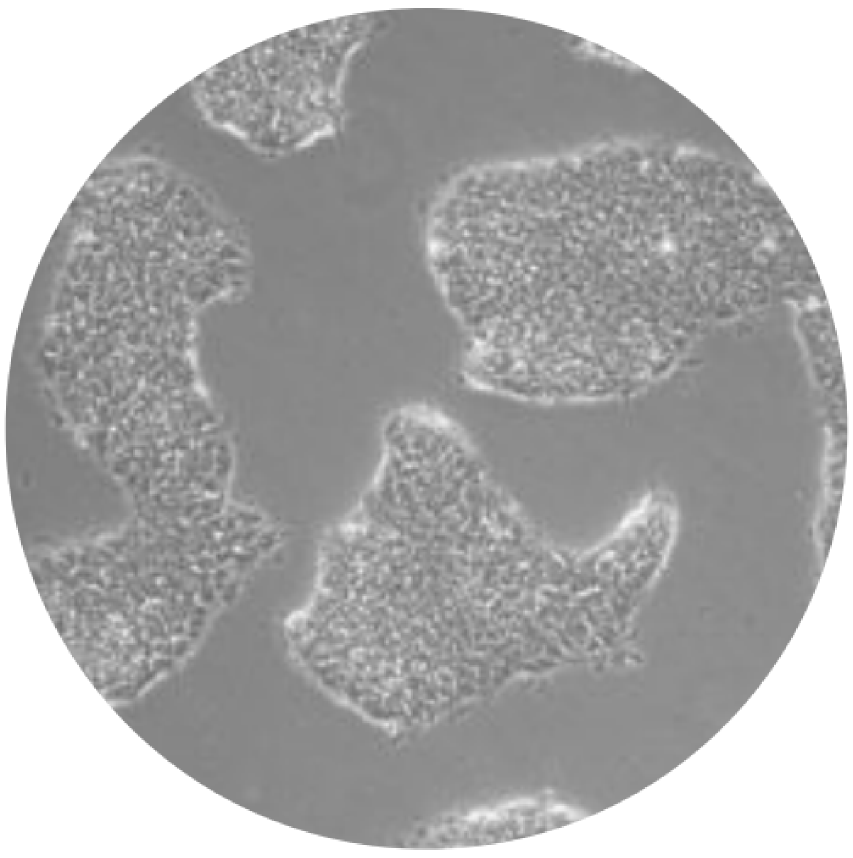
DESCRIPTION

INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN DERMAL FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	36 year-old
Family member:	1
Relation to proband:	Proband
Delivery system:	Infection with Sendai virus
Reprogramming factors:	Oct4, Klf4, Sox2, cMyc
Datasheet:	Available under request

REFERENCES

HUMAN STEM CELLS MS-HIPS RR16#5



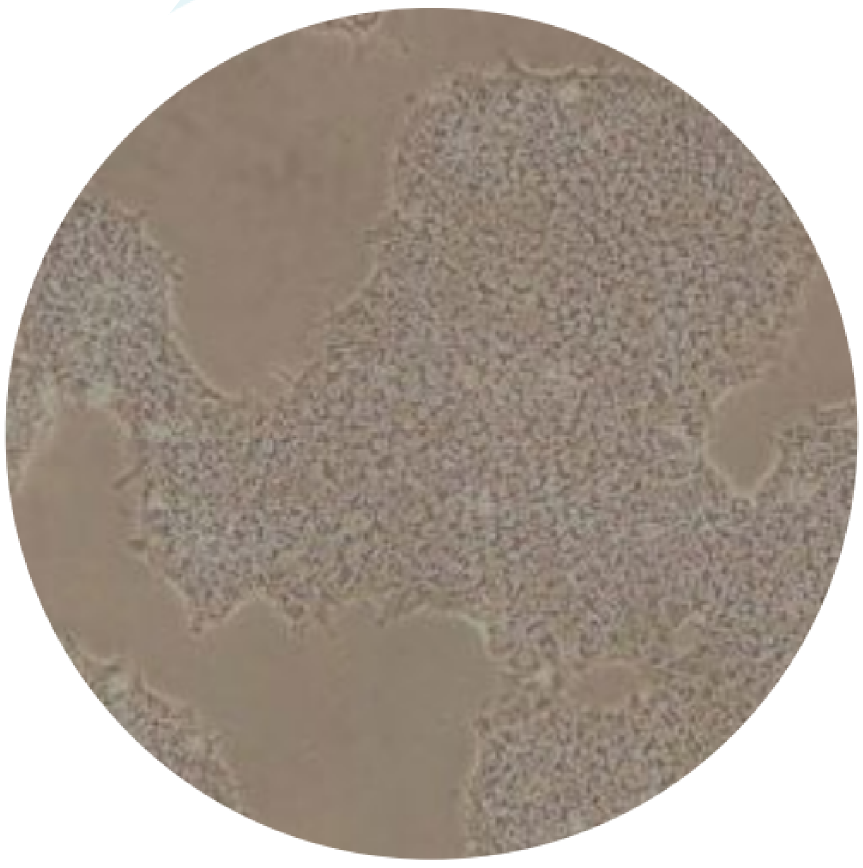
DESCRIPTION

INDUCED PLURIPOTENT STEM CELLS DERIVED FROM HUMAN MULTIPLE SCLEROSIS FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	36 year-old
Family member:	2
Relation to proband:	Twin
Delivery system:	Infection with Sendai virus
Reprogramming factors:	Oct4, Klf4, Sox2, cMyc
Datasheet:	Available under request

REFERENCES

HUMAN STEM CELLS
HIPS CTR2#6



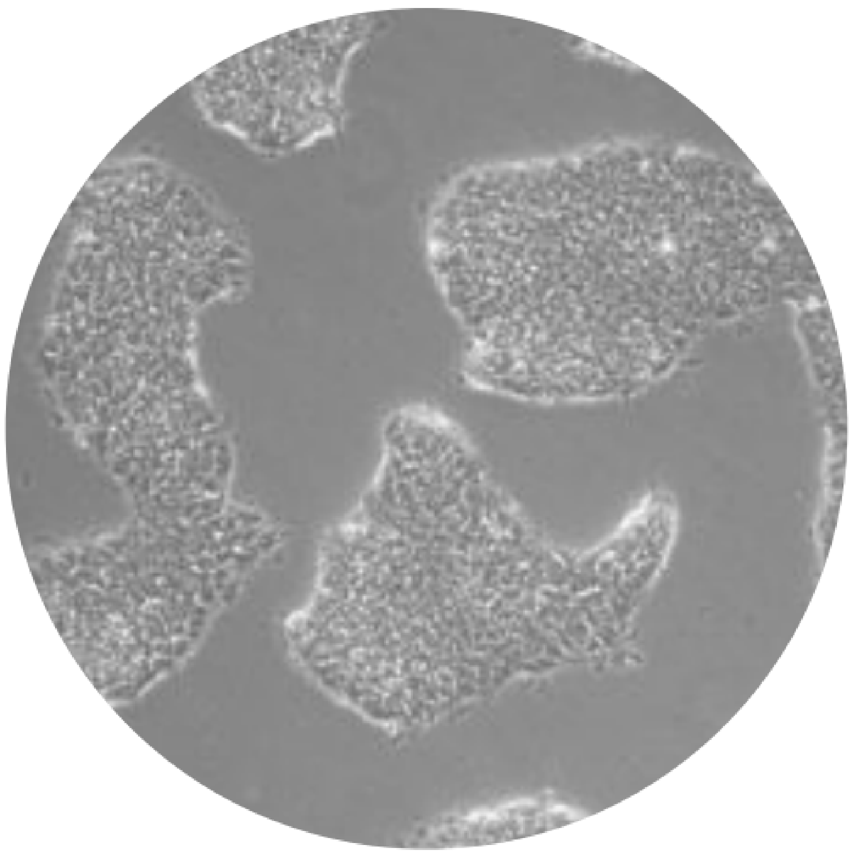
DESCRIPTION

INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN DERMAL FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	60 year-old
Delivery system:	Infection with Sendai virus
Reprogramming factors:	Oct4, Klf4, Sox2, cMyc
Datasheet:	Available under request

REFERENCES

HUMAN STEM CELLS
MS-HIPS PP9#1



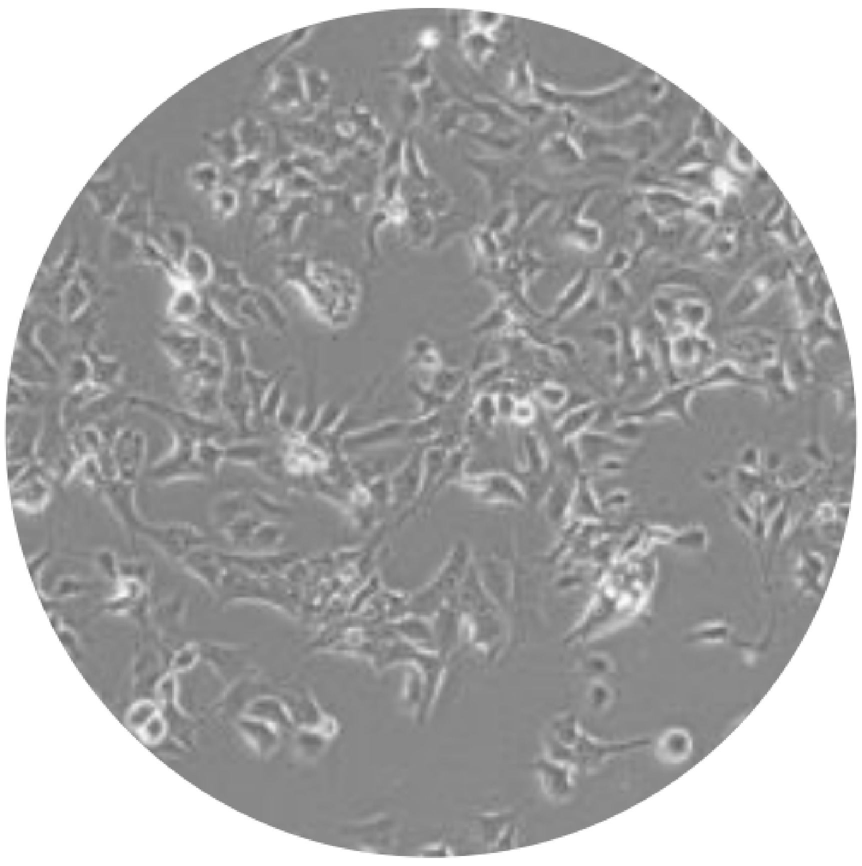
DESCRIPTION

INDUCED PLURIPOTENT STEM CELLS DERIVED FROM HUMAN MULTIPLE SCLEROSIS FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	58 year-old
Disease:	Multiple Sclerosis
Delivery system:	Infection with Sendai virus
Reprogramming factors:	Oct4, Klf4, Sox2, cMyc
Datasheet:	Available under request

REFERENCES

HUMAN STEM CELLS
CHIPS31



DESCRIPTION

INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN HUNTINGTON'S DISEASE SKIN FIBROBLASTS

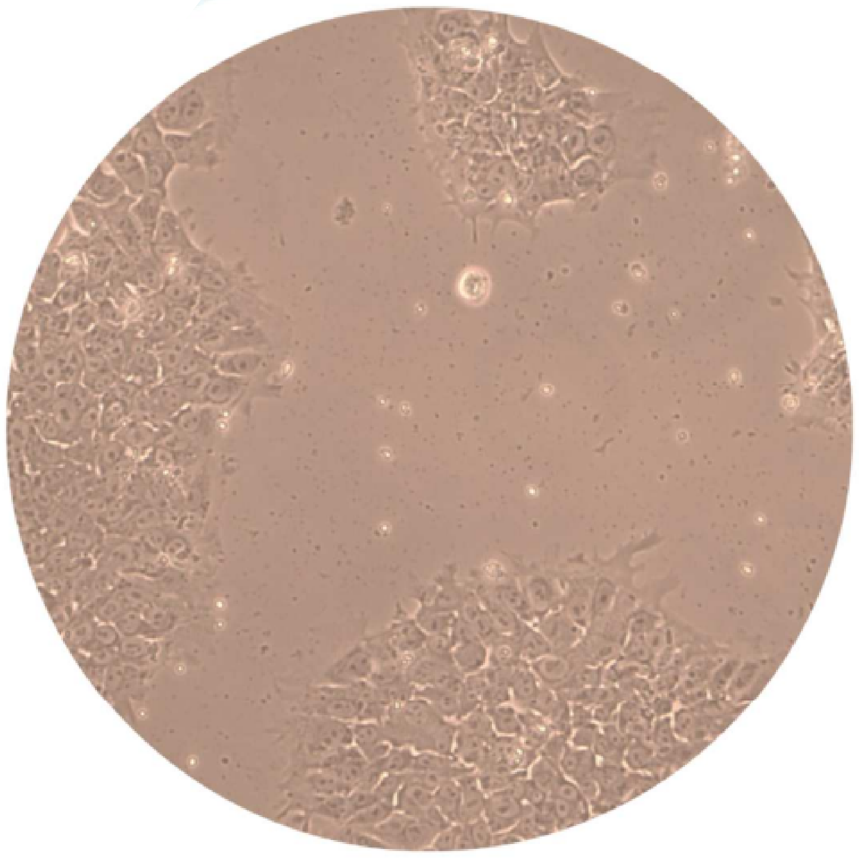
Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast line HD509 of an adult rare homozygous HD individual
Gender:	Male
Age:	59 year-old
Disease:	Huntington's Disease
Haplotype:	42/44 CAG repeats on each allele
Delivery system:	Infection with an improved polycistronic lentivirus
Reprogramming factors:	OCT4, SOX2 and KLF4 (OSK)
Datasheet:	Available under request

REFERENCES

1.Camnasio S, Delli Carri A, Lombardo A, Grad I, Mariotti C, Castucci A, Rozell B, Lo Riso P, Castiglioni V, Zuccato C, Rochon C, Takashima Y, Diaferia G,Biunno I, Gellera C, Jaconi M, Smith A, Hovatta O, Naldini L, Di Donato S, Feki A, Cattaneo E. The first reported generation of several induced pluripotent stem cell lines from homozygous and heterozygous Huntington's disease patients demonstrates mutation related enhanced lysosomal activity. Neurobiol Dis. 2012 Apr;46(1):41-51.

2. Baronchelli S, La Spada A, Ntai A, Barbieri A, Conforti P, Jotti GS, Redaelli S, Bentivegna A, De Blasio P, Biunno I. Epigenetic and transcriptional modulation of WDR5, a chromatin remodeling protein, in Huntington's disease human induced pluripotent stem cell (hiPSC) model.
Mol Cell Neurosci. 2017 May 2;82:46-57.

HUMAN STEM CELLS
HIPS WFS2_1#2



DESCRIPTION

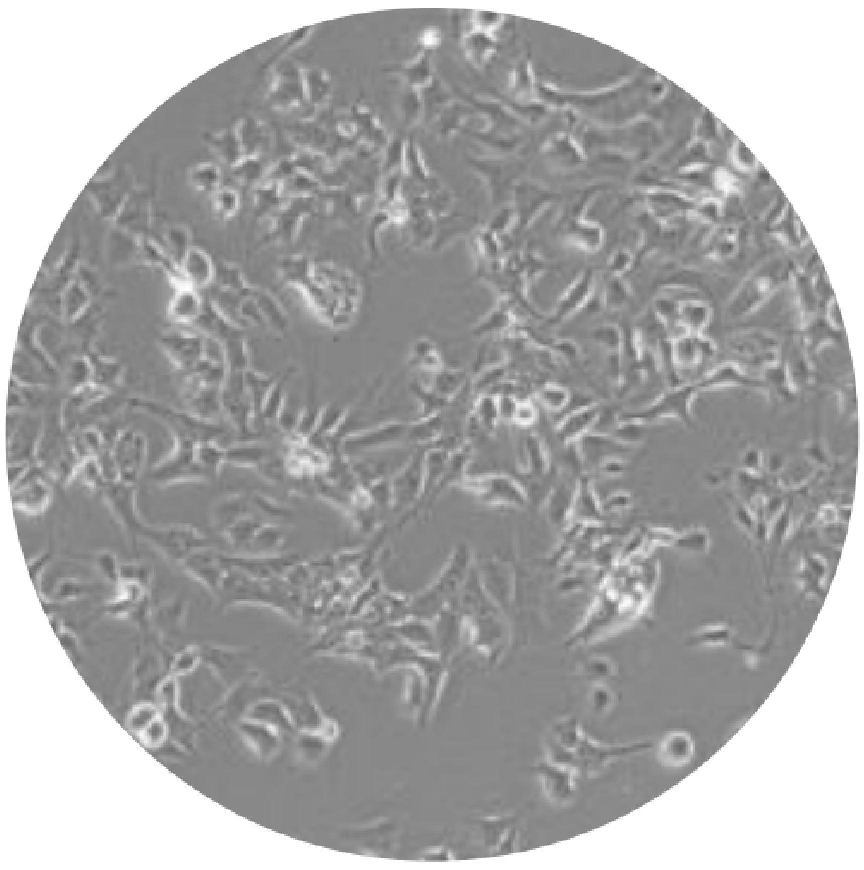
INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN WOLFRAM SYNDROME TYPE 2 SKIN FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	19 year-old at sampling
Disease:	Wolfram Syndrome type 2
Haplotype:	Homozygous CISD2
Delivery system:	Non-integrative episomal plasmids
Reprogramming factors:	OCT3/4, SOX2, KLF4, L-MYC and LIN28 (OSKUL) in combination with transient suppression of the tumor protein 53 (p53)
Datasheet:	Available under reque

REFERENCES

1.La Spada A, Ntai A, Genovese S, Rondinelli M, De Blasio P, Biunno I. Generation of human induced pluripotent stem cells from Wolfram Syndrome type 2 patients bearing the c.103+1G>A CISD2 mutation for disease modeling. Stem Cells Dev.2017 Dec.14.

HUMAN STEM CELLS
HIPS WFS2_1#3



DESCRIPTION

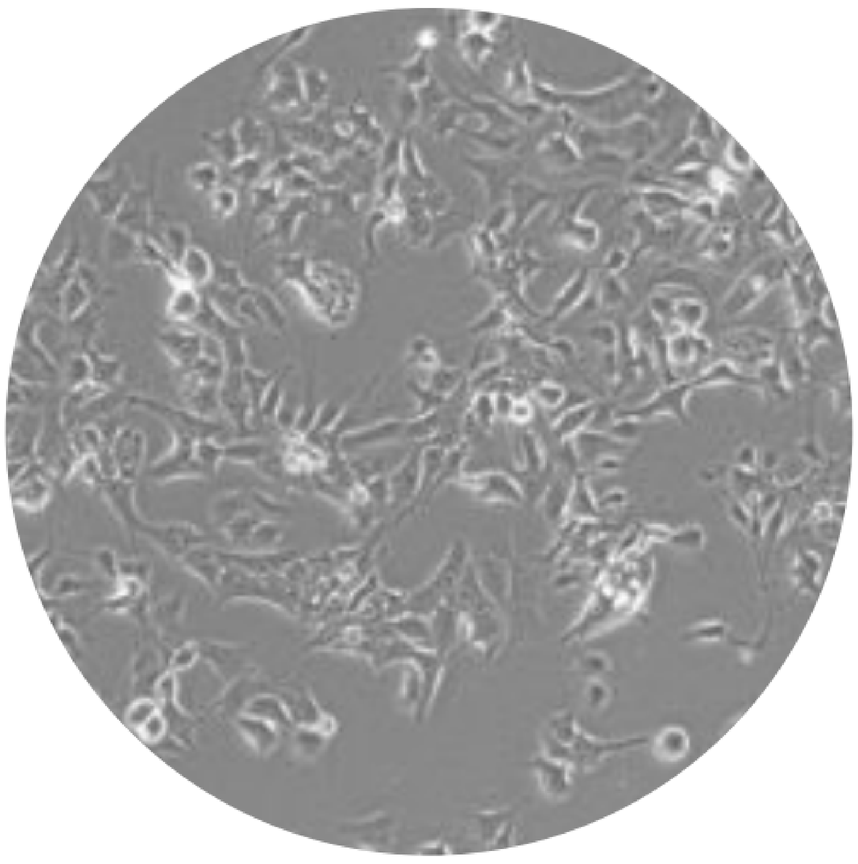
INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN WOLFRAM SYNDROME TYPE 2 SKIN FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	19 year-old at sampling
Disease:	Wolfram Syndrome type 2
Haplotype:	Homozygous CISD2
Delivery system:	Non-integrative episomal plasmids
Reprogramming factors:	OCT3/4, SOX2, KLF4, L-MYC and LIN28 (OSKUL) in combination with transient suppression of the tumor protein 53 (p53)
Datasheet:	Available under reque

REFERENCES

1.. La Spada A, Ntai A, Genovese S, Rondinelli M, De Blasio P, Biunno I. Generation of human induced pluripotent stem cells from Wolfram Syndrome type 2 patients bearing the c.103+1G>A CISD2 mutation for disease modeling. Stem Cells Dev.2017 Dec. 14. doi: 10.1089/ scd.2017.0158

HUMAN STEM CELLS
HIPS WFS2_1#24



DESCRIPTION

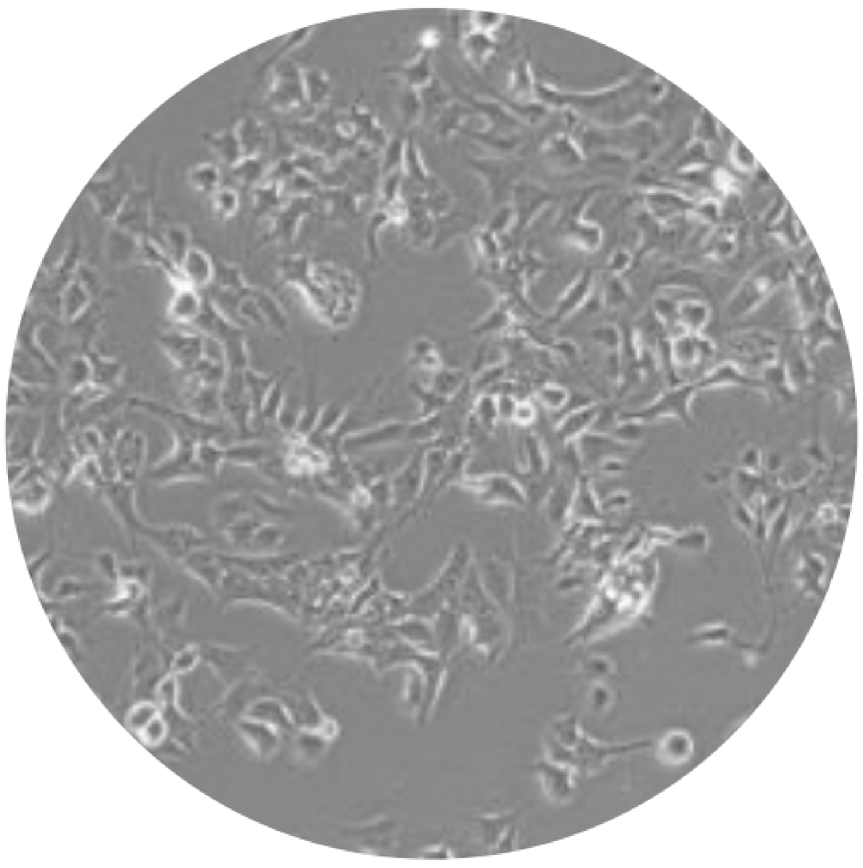
INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN WOLFRAM SYNDROME TYPE 2 SKIN FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	19 year-old at sampling
Disease:	Wolfram Syndrome type 2
Haplotype:	Homozygous CISD2
Delivery system:	Non-integrative episomal plasmids
Reprogramming factors:	OCT3/4, SOX2, KLF4, L-MYC and LIN28 (OSKUL) in combination with transient suppression of the tumor protein 53 (p53)
Datasheet:	Available under reque

REFERENCES

1.. La Spada A, Ntai A, Genovese S, Rondinelli M, De Blasio P, Biunno I. Generation of human induced pluripotent stem cells from Wolfram Syndrome type 2 patients bearing the c.103+1G>A CISD2 mutation for disease modeling. Stem Cells Dev.2017 Dec. 14. doi: 10.1089/ scd.2017.0158.

HUMAN STEM CELLS
HIPS WFS2_3#1



DESCRIPTION

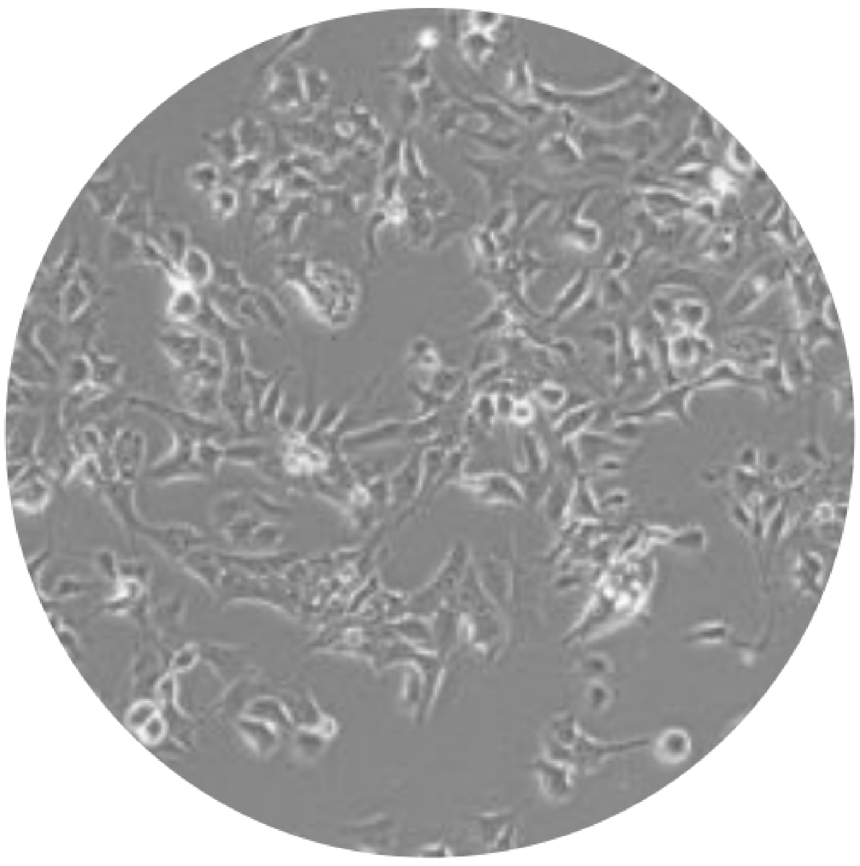
INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN WOLFRAM SYNDROME TYPE 2 SKIN FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Female
Age:	19 year-old at sampling
Disease:	Wolfram Syndrome type 2
Haplotype:	Homozygous CISD2
Delivery system:	Non-integrative episomal plasmids
Reprogramming factors:	OCT3/4, SOX2, KLF4, L-MYC and LIN28 (OSKUL) in combination with transient suppression of the tumor protein 53 (p53)
Datasheet:	Available under reque

REFERENCES

1.. La Spada A, Ntai A, Genovese S, Rondinelli M, De Blasio P, Biunno I. Generation of human induced pluripotent stem cells from Wolfram Syndrome type 2 patients bearing the c.103+1G>A CISD2 mutation for disease modeling. Stem Cells Dev.2017 Dec. 14. doi: 10.1089/ scd.2017.0158.

HUMAN STEM CELLS
HIPS WFS2_3#6



DESCRIPTION

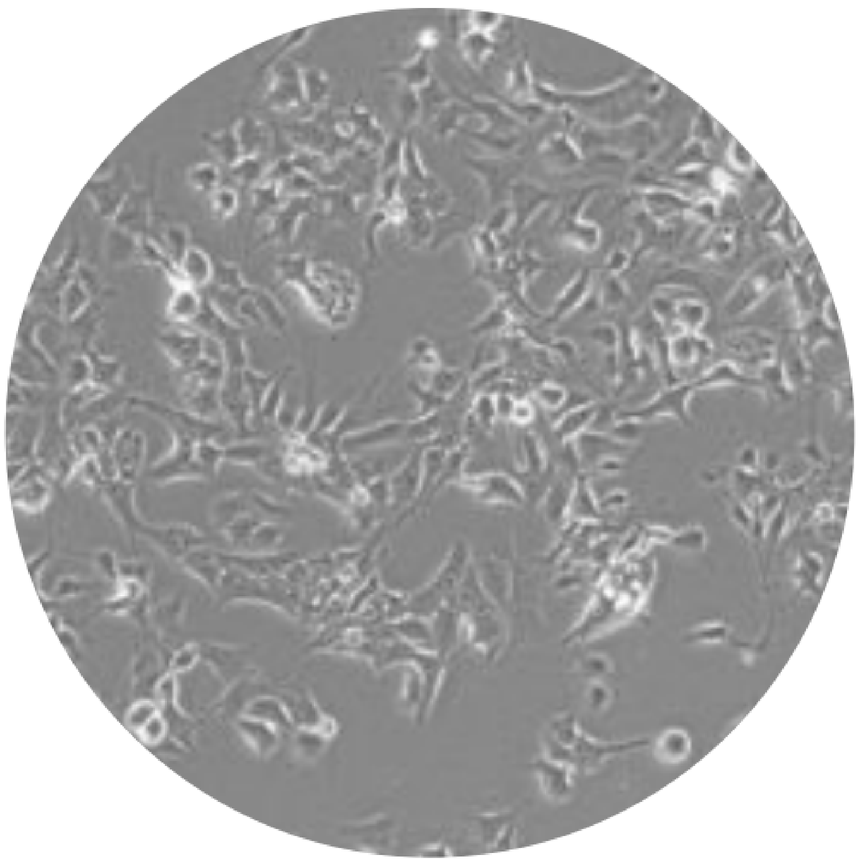
INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN WOLFRAM SYNDROME TYPE 2 SKIN FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Male
Disease:	Wolfram Syndrome type 2
Haplotype:	Homozygous CISD2
Delivery system:	Non-integrative episomal plasmids
Reprogramming factors:	OCT3/4, SOX2, KLF4, L-MYC and LIN28 (OSKUL) in combination with transient suppression of the tumor protein 53 (p53)
Datasheet:	Available under reque

REFERENCES

1.. La Spada A, Ntai A, Genovese S, Rondinelli M, De Blasio P, Biunno I. Generation of human induced pluripotent stem cells from Wolfram Syndrome type 2 patients bearing the c.103+1G>A CISD2 mutation for disease modeling. Stem Cells Dev.2017 Dec. 14. doi: 10.1089/ scd.2017.0158.

HUMAN STEM CELLS
HIPS BF15#2



DESCRIPTION

INDUCED PLURIPOTENT STEM CELLS DERIVED FROM REPROGRAMMED HUMAN WOLFRAM SYNDROME TYPE 2 SKIN FIBROBLASTS

Organism:	Homo sapiens, human
Cell Type:	Induced pluripotent stem cells
Source:	Fibroblast
Gender:	Male
Disease:	None
Delivery system:	Non-integrative episomal plasmids
Reprogramming factors:	OCT3/4, SOX2, KLF4, L-MYC and LIN28 (OSKUL) in combination with transient suppression of the tumor protein 53 (p53)
Datasheet:	Available under reque

REFERENCES

1.. La Spada A, Ntai A, Genovese S, Rondinelli M, De Blasio P, Biunno I. Generation of human induced pluripotent stem cells from Wolfram Syndrome type 2 patients bearing the c.103+1G>A CISD2 mutation for disease modeling. Stem Cells Dev.2017 Dec. 14. doi: 10.1089/ scd.2017.0158.