

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

pCXLE-hOCT3/4-shp53-F

RRID:Addgene_27077

Type: Plasmid

Proper Citation

RRID:Addgene_27077

Plasmid Information

URL: <http://www.addgene.org/27077>

Proper Citation: RRID:Addgene_27077

Insert Name: OCT3/4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21460823](#)

Vector Backbone Description: Backbone Size:10180; Vector Backbone:pCXLE; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: shRNA: AGTAGATTACCACTGGAGTC

Plasmid Name: pCXLE-hOCT3/4-shp53-F

Record Creation Time: 20220422T222121+0000

Record Last Update: 20260801T081059+0000

Ratings and Alerts

No rating or validation information has been found for pCXLE-hOCT3/4-shp53-F.

No alerts have been found for pCXLE-hOCT3/4-shp53-F.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 352 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Ham S, et al. (2025) Potential use of human pluripotency-related gene expression reporter cell line for screening small molecules to enhance induction of pluripotency. *BMB reports*, 58(4), 183.

Yahata N, et al. (2025) Optimization of mtDNA-targeted platinum TALENs for bi-directionally modifying heteroplasmy levels in patient-derived m.3243A>G-iPSCs. *Molecular therapy. Nucleic acids*, 36(2), 102521.

Hashizume R, et al. (2025) Trisomic rescue via allele-specific multiple chromosome cleavage using CRISPR-Cas9 in trisomy 21 cells. *PNAS nexus*, 4(2), pgaf022.

Giovenale AMG, et al. (2025) Generation and characterization of a patient-derived iPSC line, CSSi022-A (15666), with a pathogenic MFN2 mutation causing Charcot-Marie-Tooth disease type 2A. *Stem cell research*, 88, 103817.

Shimizu T, et al. (2025) Generation of human induced pluripotent stem cell lines derived from Wolf-Hirschhorn syndrome patients with chromosomal 4p deletion. *Human cell*, 38(6), 164.

Stangner K, et al. (2025) Apremilast improves cardiomyocyte cohesion and arrhythmia in different models for arrhythmogenic cardiomyopathy. *Stem cell research & therapy*, 16(1), 609.

Wogram E, et al. (2025) Human iPSC-Derived Microglia Integrate Into Cerebral Organoids and Assume an In Vivo-Like Phenotype. *The European journal of neuroscience*, 62(9), e70281.

Gürhan G, et al. (2025) A chromatin-focused CRISPR screen identifies USP22 as a barrier to somatic cell reprogramming. *Communications biology*, 8(1), 454.

Mato-Blanco X, et al. (2025) Early developmental origins of cortical disorders modeled in human neural stem cells. *Nature communications*, 16(1), 6347.

Jiamvoraphong N, et al. (2025) Establishment of the integration-free Class I and Class II 11 loci homozygous HLA iPSC line (MUSli023-A) from peripheral blood mononuclear cells of a Thai donor. *Stem cell research*, 88, 103840.

Gray OA, et al. (2025) Transcriptomic analysis of iPSC-derived endothelium reveals adaptations to high altitude hypoxia in energy metabolism and inflammation. *PLoS genetics*, 21(2), e1011570.

Surendran H, et al. (2025) Generation of a human induced pluripotent stem cell (iPSC) line ERPLi004-A from an Alpha-1 antitrypsin deficiency (AATD) patient with SERPINA1 mutation. *Stem cell research*, 83, 103664.

Corral-Serrano JC, et al. (2025) A novel recurrent ARL3 variant c.209G > A p.(Gly70Glu) causes variable non-syndromic dominant retinal dystrophy with defective lipidated protein transport in human retinal stem cell models. Human molecular genetics, 34(9), 821.

Wang D, et al. (2025) A Universal 6iL/E4 Culture System for Deriving and Maintaining Embryonic Stem Cells Across Mammalian Species. bioRxiv : the preprint server for biology.

Auer M, et al. (2025) Generation of three human erythroblast-derived iPSC lines (UBTi002-A, UBTi002-B, and UBTi002-C). Stem cell research, 87, 103767.

Giovenale AMG, et al. (2025) Generation and characterization of the CSSi021-A (15665) human induced pluripotent stem cell line from a Smith-Magenis syndrome patient with a heterozygous RAI1 mutation. Stem cell research, 86, 103726.

Pornratananont G, et al. (2025) Generation of integration-free induced pluripotent stem cell (iPSC) line MURAi002-A from hemoglobin E/?-thalassemia disease patient harboring ?E/?0 (CD41/42, -CTTT) compound heterozygous mutation. Stem cell research, 86, 103743.

Linn AK, et al. (2025) Generation of integration-free human induced pluripotent stem cell line MUi040-A derived from CD34 + hematopoietic stem cells of a patient with constitutional pericentric inversion of chromosome 9. Stem cell research, 89, 103866.

Rajendran N, et al. (2025) Generation of induced pluripotent stem cell lines (RFSCi003-A, RFSCi004-A) from monozygotic twins discordant for age-related macular degeneration. Stem cell research, 87, 103768.

Ramachandran H, et al. (2025) Reprogramming Patient-Derived urine cells into iPSCs for Anti-GAD65 autoimmune encephalitis research. Stem cell research, 87, 103790.