

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pMSCV-F-del Casp9.IRES.GFP

RRID:Addgene_15567

Type: Plasmid

Proper Citation

RRID:Addgene_15567

Plasmid Information

URL: <http://www.addgene.org/15567>

Proper Citation: RRID:Addgene_15567

Insert Name: FKBP12(V36)-p30Caspase9

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15728125](#)

Vector Backbone Description: Backbone Size:5300; Vector Backbone:MSCV; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: Based on L. Fan et al (99) Human Gene Therapy

Plasmid Name: pMSCV-F-del Casp9.IRES.GFP

Relevant Mutation: FKBP12 F36 to V Truncated Caspase9 (135-416; lacking pro-domain)

Record Creation Time: 20220422T221851+0000

Record Last Update: 20260815T080801+0000

Ratings and Alerts

No rating or validation information has been found for pMSCV-F-del Casp9.IRES.GFP.

No alerts have been found for pMSCV-F-del Casp9.IRES.GFP.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Zheng Z, et al. (2026) Targeting PGAM5-driven mitochondrial integrated stress response slows ALS progression across subtypes. *Neuron*, 114(12), 2109.

Matsui K, et al. (2025) Caspase 9-induced apoptosis enables efficient fetal cell ablation and disease modeling. *Nature communications*, 16(1), 2572.

Palamarchuk AI, et al. (2024) The hTERT and iCasp9 Transgenes Affect EOMES and T-BET Levels in NK Cells and the Introduction of Both Genes Improves NK Cell Proliferation in Response to IL2 and IL15 Stimulation. *Biomedicines*, 12(3).

Billman ZP, et al. (2024) Caspase-1 activates gasdermin A in non-mammals. *eLife*, 12.

Billman ZP, et al. (2024) Caspase-1 activates gasdermin A in non-mammals. *bioRxiv : the preprint server for biology*.

Fujino S, et al. (2023) Metastases and treatment-resistant lineages in patient-derived cancer cells of colorectal cancer. *Communications biology*, 6(1), 1191.

Nagae A, et al. (2023) Cancer Stem Cells Persist Despite Cellular Damage, Emergence of the Refractory Cell Population. *Annals of surgical oncology*, 30(11), 6913.

Goliwas KF, et al. (2023) Mitochondrial transfer from cancer-associated fibroblasts increases migration in aggressive breast cancer. *Journal of cell science*, 136(14).

Ma Y, et al. (2022) Synthetic mammalian signaling circuits for robust cell population control. *Cell*, 185(6), 967.

Okamoto T, et al. (2021) Comparative Analysis of Patient-Matched PDOs Revealed a Reduction in OLFM4-Associated Clusters in Metastatic Lesions in Colorectal Cancer. *Stem cell reports*, 16(4), 954.

Palamarchuk AI, et al. (2021) Increased Susceptibility of the CD57- NK Cells Expressing KIR2DL2/3 and NKG2C to iCasp9 Gene Retroviral Transduction and the Relationships with Proliferative Potential, Activation Degree, and Death Induction Response. *International journal of molecular sciences*, 22(24).

Schepers A, et al. (2021) Identification of Autophagy-Related Genes as Targets for Senescence Induction Using a Customizable CRISPR-Based Suicide Switch Screen. *Molecular cancer research : MCR*, 19(10), 1613.

Matreyek KA, et al. (2020) An improved platform for functional assessment of large protein libraries in mammalian cells. *Nucleic acids research*, 48(1), e1.

Rossignoli F, et al. (2019) Inducible Caspase9-mediated suicide gene for MSC-based cancer gene therapy. *Cancer gene therapy*, 26(1-2), 11.

Nguyen TD, et al. (2019) A Suicide Switch Directly Eliminates Intracellular scFv Oligomers in the Cytoplasm of Mammalian Cells. *Biotechnology journal*, 14(1), e1800350.

Jacobs CL, et al. (2018) StaPLs: versatile genetically encoded modules for engineering drug-inducible proteins. *Nature methods*, 15(7), 523.

Lukianova-Hleb EY, et al. (2016) All-in-one processing of heterogeneous human cell grafts for gene and cell therapy. *Molecular therapy. Methods & clinical development*, 3, 16012.

Ando M, et al. (2015) A Safeguard System for Induced Pluripotent Stem Cell-Derived Rejuvenated T Cell Therapy. *Stem cell reports*, 5(4), 597.

Bugaj LJ, et al. (2013) Optogenetic protein clustering and signaling activation in mammalian cells. *Nature methods*, 10(3), 249.