

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

MSCV-N E4orf1

RRID:Addgene_38063

Type: Plasmid

Proper Citation

RRID:Addgene_38063

Plasmid Information

URL: <http://www.addgene.org/38063>

Proper Citation: RRID:Addgene_38063

Insert Name: E4 orf1

Organism: Human adenovirus 5

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22810586](#)

Vector Backbone Description: Backbone Size:8162; Vector Backbone:MSCV-N FLAGHA; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: Note that the Gateway cloning reaction has left several vector-based nucleotides in frame with the 3' end of the insert, adding several amino acid residues [STFLYKVVR] fused to the C-terminus of translated protein.

Plasmid Name: MSCV-N E4orf1

Record Creation Time: 20220422T222200+0000

Record Last Update: 20260815T081419+0000

Ratings and Alerts

No rating or validation information has been found for MSCV-N E4orf1.

No alerts have been found for MSCV-N E4orf1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Moore M, et al. (2025) The adenovirus E4orf1 protein initiates a feedback loop involving insulin and growth factor receptors, AKT, and NF- κ B, leading to abnormal DNA content in infected cells. PLoS pathogens, 21(10), e1013202.

Choi YJ, et al. (2021) WNT5A from the fetal liver vascular niche supports human fetal liver hematopoiesis. Stem cell research & therapy, 12(1), 321.

Barcia Durán JG, et al. (2018) In vitro conversion of adult murine endothelial cells to hematopoietic stem cells. Nature protocols, 13(12), 2758.

McMurphy TB, et al. (2017) Hepatic Expression of Adenovirus 36 E4ORF1 Improves Glycemic Control and Promotes Glucose Metabolism Through AKT Activation. Diabetes, 66(2), 358.