Resource Summary Report

Generated by PRECISE-TBI on Sep 2, 2026

pcDNA3-HA-Sumo1

RRID:Addgene_21154
Type: Plasmid

Proper Citation

RRID:Addgene_21154

Plasmid Information

URL: http://www.addgene.org/21154

Proper Citation: RRID:Addgene_21154

Insert Name: pcDNA3-HA-Sumo1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:15117942

Vector Backbone Description: Vector Backbone:pcDNA3.1 HA; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid does not contain the BGH polyA terminator present in the standard pcDNA3 backbone. It is not known whether the removal of the terminator affects expression.

Plasmid Name: pcDNA3-HA-Sumo1

Record Creation Time: 20220422T222054+0000

Record Last Update: 20260902T043915+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-HA-Sumo1.

No alerts have been found for pcDNA3-HA-Sumo1.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Sánchez-Alba L, et al. (2025) Structural basis for the human SENP5's SUMO isoform discrimination. Nature communications, 16(1), 4764.

Lu K, et al. (2024) Disruption of cyclin D1 degradation leads to the development of mantle cell lymphoma. Acta pharmaceutica Sinica. B, 14(7), 2977.

Xu Y, et al. (2024) SRF SUMOylation modulates smooth muscle phenotypic switch and vascular remodeling. Nature communications, 15(1), 6919.

Rosemarie Q, et al. (2023) How Epstein-Barr Virus Induces the Reorganization of Cellular Chromatin. mBio, 14(1), e0268622.

Rauth S, et al. (2021) SUMO Modification of PAF1/PD2 Enables PML Interaction and Promotes Radiation Resistance in Pancreatic Ductal Adenocarcinoma. Molecular and cellular biology, 41(12), e0013521.

Sá-Pessoa J, et al. (2020) Klebsiella pneumoniae Reduces SUMOylation To Limit Host Defense Responses. mBio, 11(5).

Huang CY, et al. (2018) Inhibition of HSF2 SUMOylation via MEL18 upregulates IGF-IIR and leads to hypertension-induced cardiac hypertrophy. International journal of cardiology, 257, 283.

Appikonda S, et al. (2018) Cross-talk between chromatin acetylation and SUMOylation of tripartite motif-containing protein 24 (TRIM24) impacts cell adhesion. The Journal of biological chemistry, 293(19), 7476.

Singh AK, et al. (2018) SUMOylation of ROR-?t inhibits IL-17 expression and inflammation via HDAC2. Nature communications, 9(1), 4515.

Yuan DY, et al. (2017) Betulinic acid increases radiosensitization of oral squamous cell carcinoma through inducing Sp1 sumoylation and PTEN expression. Oncology reports, 38(4), 2360.

Yue X, et al. (2017) Gain-of-function mutant p53 activates small GTPase Rac1 through SUMOylation to promote tumor progression. Genes & development, 31(16), 1641.

Liu Y, et al. (2016) SUMO Modification Stabilizes Enterovirus 71 Polymerase 3D To Facilitate Viral Replication. Journal of virology, 90(23), 10472.

Chen JH, et al. (2015) ATM-mediated PTEN phosphorylation promotes PTEN nuclear translocation and autophagy in response to DNA-damaging agents in cancer cells. Autophagy, 11(2), 239.

Roy R, et al. (2014) hnRNPA1 couples nuclear export and translation of specific mRNAs downstream of FGF-2/S6K2 signalling. Nucleic acids research, 42(20), 12483.

Dunphy PS, et al. (2014) Ehrlichia chaffeensis exploits host SUMOylation pathways to mediate effector-host interactions and promote intracellular survival. Infection and immunity, 82(10), 4154.