

Resource Summary Report

Generated by [NIF](#) on Jul 31, 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: 20260725T074423+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

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

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

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

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.

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- γ 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.

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.

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.