

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

Flag-SENP1

RRID:Addgene_17357

Type: Plasmid

Proper Citation

RRID:Addgene_17357

Plasmid Information

URL: <http://www.addgene.org/17357>

Proper Citation: RRID:Addgene_17357

Insert Name: SENP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17981124](#)

Vector Backbone Description: Backbone Marker:Sigma; Backbone Size:4700; Vector Backbone:pFlag-CMV; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: See author's map for more information. I193F and T207A mutations are not known to affect function.

Plasmid Name: Flag-SENP1

Record Creation Time: 20220422T222005+0000

Record Last Update: 20260905T075223+0000

Ratings and Alerts

No rating or validation information has been found for Flag-SENP1.

No alerts have been found for Flag-SENP1.

Data and Source Information

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

El Motiam A, et al. (2025) SUMOylation of the lysine-less tumor suppressor p14ARF counters ubiquitylation-dependent degradation. *Cell death & disease*, 16(1), 519.

Ikeda Y, et al. (2024) DeSUMOylating isopeptidase 1 participates in the faithful chromosome segregation and vincristine sensitivity. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 38(24), e70261.

Wada H, et al. (2024) SUMO1 modification of 0N4R-tau is regulated by PIASx, SENP1, SENP2, and TRIM11. *Biochemistry and biophysics reports*, 39, 101800.

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 H, et al. (2023) ATM, KAP1 and the Epstein-Barr virus polymerase processivity factor direct traffic at the intersection of transcription and replication. *Nucleic acids research*, 51(20), 11104.

Santos-Barriopedro I, et al. (2021) Off-the-shelf proximity biotinylation for interaction proteomics. *Nature communications*, 12(1), 5015.

Dodat F, et al. (2021) Complex regulation of orphan nuclear receptor Nur77 (Nr4a1) transcriptional activity by SUMO2 and PIAS?. *Biochimica et biophysica acta. Molecular cell research*, 1868(2), 118908.

Saotome H, et al. (2020) Generation of a Quantitative Luciferase Reporter for Sox9 SUMOylation. *International journal of molecular sciences*, 21(4).

Wada H, et al. (2020) Regulation of ALS-Associated SOD1 Mutant SUMOylation and Aggregation by SENP and PIAS Family Proteins. *Journal of molecular neuroscience : MN*, 70(12), 2007.

Wang Q, et al. (2019) Regulation of the Expression of DAPK1 by SUMO Pathway. *Biomolecules*, 9(4).

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.

Hoard TM, et al. (2018) PIAS-family proteins negatively regulate Glis3 transactivation function through SUMO modification in pancreatic ? cells. *Heliyon*, 4(7), e00709.

Maruyama T, et al. (2018) SENP1 and SENP2 regulate SUMOylation of amyloid precursor protein. *Heliyon*, 4(4), e00601.

Kaci A, et al. (2018) The E3 SUMO ligase PIAS γ is a novel interaction partner regulating the activity of diabetes associated hepatocyte nuclear factor-1 α . Scientific reports, 8(1), 12780.

Domingues P, et al. (2017) Functional Insights into ANP32A-Dependent Influenza A Virus Polymerase Host Restriction. Cell reports, 20(11), 2538.

Sengupta I, et al. (2017) Host transcription factor Speckled 110 kDa (Sp110), a nuclear body protein, is hijacked by hepatitis B virus protein X for viral persistence. The Journal of biological chemistry, 292(50), 20379.

Jiménez-Canino R, et al. (2017) 11 β -HSD2 SUMOylation Modulates Cortisol-Induced Mineralocorticoid Receptor Nuclear Translocation Independently of Effects on Transactivation. Endocrinology, 158(11), 4047.

Ho P, et al. (2017) Modularly Constructed Synthetic Granzyme B Molecule Enables Interrogation of Intracellular Proteases for Targeted Cytotoxicity. ACS synthetic biology, 6(8), 1484.

Parker AR, et al. (2016) SUMOylation of the Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel 2 Increases Surface Expression and the Maximal Conductance of the Hyperpolarization-Activated Current. Frontiers in molecular neuroscience, 9, 168.

Choi JH, et al. (2016) Regulation of mGluR7 trafficking by SUMOylation in neurons. Neuropharmacology, 102, 229.