Resource Summary Report

Generated by RRID on Aug 24, 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: 20260815T081033+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

Source: Addgene

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

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? is a novel interaction partner regulating the activity of diabetes associated hepatocyte nuclear factor-1?. 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?-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.