

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

FLAG-SENP2

RRID:Addgene_18047

Type: Plasmid

Proper Citation

RRID:Addgene_18047

Plasmid Information

URL: <http://www.addgene.org/18047>

Proper Citation: RRID:Addgene_18047

Insert Name: SENP2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20417598](#)

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

Comments: Note that compared to GenBank reference sequence NP_067640.2, the SENP2 insert in this plasmid contains a T552A polymorphism.

Plasmid Name: FLAG-SENP2

Record Creation Time: 20220422T222034+0000

Record Last Update: 20260815T081126+0000

Ratings and Alerts

No rating or validation information has been found for FLAG-SENP2.

No alerts have been found for FLAG-SENP2.

Data and Source Information

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

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

Lachiondo-Ortega S, et al. (2024) SUMOylation controls Hu antigen R posttranscriptional activity in liver cancer. *Cell reports*, 43(3), 113924.

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).

Wang H, et al. (2019) The SUMO-Specific Protease Senp2 Regulates SUMOylation, Expression and Function of Human Organic Anion Transporter 3. *Biochimica et biophysica acta. Biomembranes*, 1861(7), 1293.

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

Knittle AM, et al. (2017) SUMOylation regulates nuclear accumulation and signaling activity of the soluble intracellular domain of the ErbB4 receptor tyrosine kinase. *The Journal of biological chemistry*, 292(48), 19890.

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.

Suk FM, et al. (2015) Bortezomib inhibits Burkitt's lymphoma cell proliferation by downregulating sumoylated hnRNP K and c-Myc expression. *Oncotarget*, 6(28), 25988.

Cui W, et al. (2015) SUMOylation and Ubiquitylation Circuitry Controls Pregnane X Receptor Biology in Hepatocytes. *Drug metabolism and disposition: the biological fate of chemicals*, 43(9), 1316.

Risso G, et al. (2013) Modification of Akt by SUMO conjugation regulates alternative splicing and cell cycle. *Cell cycle (Georgetown, Tex.)*, 12(19), 3165.

Kjenseth A, et al. (2012) The gap junction channel protein connexin 43 is covalently modified and regulated by SUMOylation. *The Journal of biological chemistry*, 287(19), 15851.