

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 5, 2026

pSUMO1

RRID:Addgene_52258

Type: Plasmid

Proper Citation

RRID:Addgene_52258

Plasmid Information

URL: <http://www.addgene.org/52258>

Proper Citation: RRID:Addgene_52258

Insert Name: SUMO-1

Organism: Homo sapiens

Bacterial Resistance: Streptomycin

Defining Citation: [PMID:25007328](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:3781; Vector Backbone:pCDFDuet-1; Vector Types:Bacterial Expression; Bacterial Resistance:Streptomycin

Plasmid Name: pSUMO1

Relevant Mutation: C-terminal gly-gly

Record Creation Time: 20220422T222307+0000

Record Last Update: 20260905T075752+0000

Ratings and Alerts

No rating or validation information has been found for pSUMO1.

No alerts have been found for pSUMO1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Singh JS, et al. (2022) Implications of critical node-dependent unidirectional cross-talk of Plasmodium SUMO pathway proteins. Biophysical journal, 121(8), 1367.

Gujrati M, et al. (2019) SUMOylation of periplakin is critical for efficient reorganization of keratin filament network. Molecular biology of the cell, 30(3), 357.

Heras G, et al. (2019) Muscle RING-finger protein-1 (MuRF1) functions and cellular localization are regulated by SUMO1 post-translational modification. Journal of molecular cell biology, 11(5), 356.

Namuduri AV, et al. (2017) A Proteomic Approach to Identify Alterations in the Small Ubiquitin-like Modifier (SUMO) Network during Controlled Mechanical Ventilation in Rat Diaphragm Muscle. Molecular & cellular proteomics : MCP, 16(6), 1081.

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

Dustrude ET, et al. (2016) Hierarchical CRMP2 posttranslational modifications control NaV1.7 function. Proceedings of the National Academy of Sciences of the United States of America, 113(52), E8443.