

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 31, 2026

pSUMO2

RRID:Addgene_52259

Type: Plasmid

Proper Citation

RRID:Addgene_52259

Plasmid Information

URL: <http://www.addgene.org/52259>

Proper Citation: RRID:Addgene_52259

Insert Name: SUMO-2

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: pSUMO2

Relevant Mutation: C-terminal gly-gly

Record Creation Time: 20220422T222307+0000

Record Last Update: 20260829T080648+0000

Ratings and Alerts

No rating or validation information has been found for pSUMO2.

No alerts have been found for pSUMO2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Yuan H, et al. (2026) Protein SUMOylation confers sorafenib resistance in human hepatocellular carcinoma via the induction of PKM2-mediated glycolysis. Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy, 88, 101451.

Gordon J, et al. (2025) PELP1 coordinates the modular assembly and enzymatic activity of the rixosome complex. Science advances, 11(30), eadw4603.

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.

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.

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.