

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pET29b(+)_NdeI-NcoI_SUMO(21-98)_CV

RRID:Addgene_254142

Type: Plasmid

Proper Citation

RRID:Addgene_254142

Plasmid Information

URL: <http://www.addgene.org/254142>

Proper Citation: RRID:Addgene_254142

Insert Name: NcoI_SMT3-SUMO(21-98)_C_sTEV_His6

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:41927759](#)

Vector Backbone Description: Backbone Size:5237; Vector Backbone:pET29b(+); Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This vector is a modified pET29b(+) vector that includes one added cloning site (NcoI) followed by the encoding region for a fragment of the SMT3_yeast gene (21-98) followed by a TEV site (ENLYFQS) and a hexa-histidine site (HHHHHH*). Any peptide of interest can be cloned in the vector using the two cloning sites (NdeI and NcoI) via HiFi assembly. When adding a peptide of interest this way, the remaining N-terminal portion of the SMT3 gene should be added as well, separated by the peptide of interest with a GSGS encoding region (GSGSMSDSEVNQEAKPEVKPEVKP). This can result in a vector which encodes for the expression of a recombinant gene of the following type : PEPTIDE-GSGS-SUMO(1-98)-C-sTEV_His6*. Please visit <https://doi.org/10.1101/2025.05.12.653516> for the bioRxiv preprint.

Plasmid Name: pET29b(+)_NdeI-NcoI_SUMO(21-98)_CV

Relevant Mutation: Contains encoding region for enzyme site NdeI, then followed by the 21-98 AA of SMT3_yeast, followed by encoding region for a Cystein, a TEV site and a hexa-histidine encoding region.

Record Creation Time: 20260506T052605+0000

Record Last Update: 20260815T083546+0000

Ratings and Alerts

No rating or validation information has been found for pET29b(+)_NdeI-NcoI_SUMO(21-98)_CV.

No alerts have been found for pET29b(+)_NdeI-NcoI_SUMO(21-98)_CV.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.