

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pET28a 6xHis PreScission SARS-CoV-2 nsp13

RRID:Addgene_159390

Type: Plasmid

Proper Citation

RRID:Addgene_159390

Plasmid Information

URL: <http://www.addgene.org/159390>

Proper Citation: RRID:Addgene_159390

Insert Name: N-terminal His tag PreScission SARS-CoV-2 nsp13, optimized for insect cell expression

Organism: SARS-CoV-2

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:32783916](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5297; Vector Backbone:pET28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: Protein sequence was optimized by GenScript for insect cell expression using the OptimumGene Codon Optimization Analysis. Please visit <https://doi.org/10.1101/2020.07.08.194084> for bioRxiv preprint.

Plasmid Name: pET28a 6xHis PreScission SARS-CoV-2 nsp13

Record Creation Time: 20220422T221902+0000

Record Last Update: 20260815T080828+0000

Ratings and Alerts

No rating or validation information has been found for pET28a 6xHis PreScission SARS-CoV-2 nsp13.

No alerts have been found for pET28a 6xHis PreScission SARS-CoV-2 nsp13.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Frick DN, et al. (2025) Analogs of NIH Molecular Probe ML283 Are Potent SARS-CoV-2 Helicase Inhibitors. ACS chemical biology, 20(2), 281.

Grimes SL, et al. (2023) A mutation in the coronavirus nsp13-helicase impairs enzymatic activity and confers partial remdesivir resistance. mBio, 14(4), e0106023.

Chen J, et al. (2022) Ensemble cryo-EM reveals conformational states of the nsp13 helicase in the SARS-CoV-2 helicase replication-transcription complex. Nature structural & molecular biology, 29(3), 250.