Resource Summary Report

Generated by NIF on Jul 30, 2026

pET His6 GST TEV LIC cloning vector (1G)

RRID:Addgene_29655
Type: Plasmid

Proper Citation

RRID:Addgene_29655

Plasmid Information

URL: http://www.addgene.org/29655

Proper Citation: RRID:Addgene_29655

Insert Name: None

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:6015; Vector Backbone:pET; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid is an empty vector to be used with a LIC cloning protocol. It has a TEV-cleavable His6 fusion tag on its N-terminus. GST can be used to enhance your protein's expression and solubility. It can also be used as an affinity tag. To clone into this vector, add LIC fusion tags to the 5' end of your PCR primers. Forward - 5'TACTTCCAATCCAATGCA3' Reverse - 5'TTATCCACTTCCAATGTTATTA3' Linearize the plasmid with SspI and gel purify. When digesting the DNA with T4 polymerase, use dCTP for insert and dGTP for vector. More information on this vector can be found through http://qb3.berkeley.edu/qb3/macrolab/

Plasmid Name: pET His6 GST TEV LIC cloning vector (1G)

Record Creation Time: 20220422T222131+0000

Record Last Update: 20260725T074533+0000

Ratings and Alerts

No rating or validation information has been found for pET His6 GST TEV LIC cloning vector (1G).

No alerts have been found for pET His6 GST TEV LIC cloning vector (1G).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Cuevas-Navarro A, et al. (2025) Pharmacological restoration of GTP hydrolysis by mutant RAS. Nature, 637(8044), 224.

Bacher MC, et al. (2025) Divergent Rickettsia species exhibit distinct mechanisms of actin-based motility. bioRxiv : the preprint server for biology.

Andhare D, et al. (2025) Reconstitution of autophagic-like membrane tethering reveals that Atg11 can bind and cluster vesicles on cargo mimetics. Autophagy, 1.

Mulligan RJ, et al. (2024) Collapse of late endosomal pH elicits a rapid Rab7 response via the V-ATPase and RILP. Journal of cell science, 137(9).

Andhare D, et al. (2023) A new GUV-based assay to reconstitute membrane tethering in vitro demonstrates the vesicle tethering ability of the selective autophagy scaffold Atg11. bioRxiv : the preprint server for biology.

Mulligan RJ, et al. (2023) Collapse of late endosomal pH elicits a rapid Rab7 response via V-ATPase and RILP. bioRxiv : the preprint server for biology.

Colgren J, et al. (2022) MRTF specifies a muscle-like contractile module in Porifera. Nature communications, 13(1), 4134.

Liang X, et al. (2022) A C-terminal glutamine recognition mechanism revealed by E3 ligase TRIM7 structures. Nature chemical biology, 18(11), 1214.

Reinhart EF, et al. (2021) A highly conserved glutamic acid in ALFY inhibits membrane binding to aid in aggregate clearance. Traffic (Copenhagen, Denmark), 22(1-2), 23.

Pantoom S, et al. (2021) Direct Interaction of ATP7B and LC3B Proteins Suggests a Cooperative Role of Copper Transportation and Autophagy. Cells, 10(11).

Mitchell JM, et al. (2019) Diverse cell junctions with unique molecular composition in tissues of a sponge (Porifera). EvoDevo, 10, 26.

Kondo T, et al. (2019) Translation enhancement by a Dictyostelium gene sequence in Escherichia coli. Applied microbiology and biotechnology, 103(8), 3501.

Hayes MP, et al. (2018) Identification of FDA-Approved Small Molecules Capable of Disrupting the Calmodulin-Adenylyl Cyclase 8 Interaction through Direct Binding to Calmodulin. ACS chemical neuroscience, 9(2), 346.

Nabet BY, et al. (2017) Exosome RNA Unshielding Couples Stromal Activation to Pattern Recognition Receptor Signaling in Cancer. Cell, 170(2), 352.

Hinshaw SM, et al. (2017) The Kinetochore Receptor for the Cohesin Loading Complex. Cell, 171(1), 72.