

Resource Summary Report

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pET His6 TEV LIC cloning vector (1B)

RRID:Addgene_29653

Type: Plasmid

Proper Citation

RRID:Addgene_29653

Plasmid Information

URL: <http://www.addgene.org/29653>

Proper Citation: RRID:Addgene_29653

Insert Name: None

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:5343; 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. 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 TEV LIC cloning vector (1B)

Record Creation Time: 20220422T222131+0000

Record Last Update: 20260815T081320+0000

Ratings and Alerts

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

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

Data and Source Information

Usage and Citation Metrics

We found 67 mentions in open access literature.

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

Deol KK, et al. (2026) Vitamin B2 metabolism promotes FSP1 stability to prevent ferroptosis. *Nature structural & molecular biology*, 33(3), 525.

Pan J, et al. (2026) Molecular structure and nickel-binding capacity of *Proteus mirabilis* UreE. *Acta crystallographica. Section D, Structural biology*, 82(Pt 4), 348.

Walter M, et al. (2026) Transposon end recognition and excision mechanisms of type I-F CRISPR-associated transposases. *bioRxiv : the preprint server for biology*.

Burger M, et al. (2025) Encapsulation of protein/DNA complexes into unilamellar liposomes via annexin-mediated membrane recruitment and sonication. *Cell reports methods*, 5(6), 101073.

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

Chen MZ, et al. (2025) A versatile antibody capture system drives specific in vivo delivery of mRNA-loaded lipid nanoparticles. *Nature nanotechnology*, 20(9), 1273.

K?l?ç G, et al. (2025) Expression of a Tuberculosis-Associated Immunogenic Protein in *Escherichia coli*. *Life (Basel, Switzerland)*, 15(9).

Kaus-Drobek M, et al. (2025) From discovery to potential application: engineering a novel M23 peptidase to combat *Listeria monocytogenes*. *Scientific reports*, 15(1), 15628.

Herrera-Asmat O, et al. (2025) Pleomorphic effects of three small-molecule inhibitors on transcription elongation by *Mycobacterium tuberculosis* RNA polymerase. *eLife*, 14.

Hoogstra SJ, et al. (2025) Biotransformation of Deoxynivalenol to the Novel Metabolite Deoxynivalenol-8,15-hemiketal-7-glucoside by the *Bacillus subtilis* Glycosyltransferase YjiC. *ACS omega*, 10(14), 14496.

Gjindali A, et al. (2025) Two cowpea Rubisco activase isoforms for crop thermotolerance. *The New phytologist*, 247(3), 1199.

Feder JS, et al. (2025) A fluorescent-protein spin qubit. *Nature*, 645(8079), 73.

Herrera-Asmat O, et al. (2025) Pleomorphic effects of three small-molecule inhibitors on transcription elongation by *Mycobacterium tuberculosis* RNA polymerase. *bioRxiv : the preprint server for biology*.

Zoabi FH, et al. (2025) Inhibiting MARCH5/Mfn2 signaling as an alternative strategy to protect cardiomyocytes from hypoxia-induced mitochondrial dysfunction. *Computational*

and structural biotechnology journal, 27, 3045.

Saha A, et al. (2024) An alpha-helical lid guides the target DNA toward catalysis in CRISPR-Cas12a. *Nature communications*, 15(1), 1473.

Yin JZ, et al. (2024) The HisRS-like domain of GCN2 is a pseudoenzyme that can bind uncharged tRNA. *Structure (London, England : 1993)*, 32(6), 795.

Kokic G, et al. (2024) Structural basis for RNA polymerase II ubiquitylation and inactivation in transcription-coupled repair. *Nature structural & molecular biology*, 31(3), 536.

Rivera-de-Torre E, et al. (2024) Discovery of broadly-neutralizing antibodies against brown recluse spider and Gadim scorpion sphingomyelinases using consensus toxins as antigens. *Protein science : a publication of the Protein Society*, 33(3), e4901.

Liu Y, et al. (2024) MECP2 directly interacts with RNA polymerase II to modulate transcription in human neurons. *Neuron*, 112(12), 1943.

Mevissen TET, et al. (2024) STK19 positions TFIIH for cell-free transcription-coupled DNA repair. *Cell*, 187(25), 7091.