

Resource Summary Report

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pET His6 MBP TEV LIC cloning vector (1M)

RRID:Addgene_29656

Type: Plasmid

Proper Citation

RRID:Addgene_29656

Plasmid Information

URL: <http://www.addgene.org/29656>

Proper Citation: RRID:Addgene_29656

Insert Name: None

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:6465; 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. MBP can enhance your protein's solubility and expression. 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 MBP TEV LIC cloning vector (1M)

Record Creation Time: 20220422T222131+0000

Record Last Update: 20260815T081320+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Bacher MC, et al. (2026) Divergent Rickettsia species exhibit distinct mechanisms of actin-based motility. The Journal of cell biology, 225(7).

Fraser OA, et al. (2026) PAX3-FOXO1 Contacts BRD4 through Its Acetylated Intrinsically Disordered Region. Biochemistry, 65(13), 2066.

Dewing SM, et al. (2025) Probing Enzymatic Acetylation Events in Real Time With NMR Spectroscopy: Insights Into Acyl-Cofactor Dependent p300 Modification of Histone H4. Proteins, 93(10), 1837.

Mariano MC, et al. (2025) A two-component cocktail of engineered DIII nanoparticles elicits broadly neutralizing antibody responses against dengue virus in mice. iScience, 28(6), 112534.

Chen W, et al. (2025) Phosphorylation modulates secondary structure of intrinsically disorder regions in RNA polymerase II. The Journal of biological chemistry, 301(6), 108533.

Bobadilla Ugarte P, et al. (2025) Cyanobacterial Argonautes and Cas4 family nucleases cooperate to interfere with invading DNA. Molecular cell, 85(10), 1920.

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

Kaul N, et al. (2024) FMRP cooperates with miRISC components to repress translation and regulate neurite morphogenesis in Drosophila. RNA biology, 21(1), 11.

Wang M, et al. (2024) Genome mining of sulfonated lanthipeptides reveals unique cyclic peptide sulfotransferases. Acta pharmaceutica Sinica. B, 14(6), 2773.

Taglini F, et al. (2024) DNMT3B PWWP mutations cause hypermethylation of heterochromatin. EMBO reports, 25(3), 1130.

Gao S, et al. (2024) Structure and mechanism of the human CTDNEP1-NEP1R1 membrane protein phosphatase complex necessary to maintain ER membrane morphology. Proceedings of the National Academy of Sciences of the United States of America, 121(22), e2321167121.

Nguyen LT, et al. (2024) Harnessing noncanonical crRNAs to improve functionality of Cas12a orthologs. Cell reports, 43(2), 113777.

Hoogstra SJ, et al. (2024) Enzymatic Hydrolysis of Resorcylic Acid Lactones by an *Aeromicrobium* sp. *Toxins*, 16(9).

Dewing SM, et al. (2024) Acetylation-Dependent Compaction of the Histone H4 Tail Ensemble. *The journal of physical chemistry. B*, 128(43), 10636.

Sobeh AM, et al. (2023) C-terminal determinants for RNA binding motif 7 protein stability and RNA recognition. *Biophysical chemistry*, 292, 106928.

Gao S, et al. (2023) Structure and mechanism of the human CTDNEP1-NEP1R1 membrane protein phosphatase complex necessary to maintain ER membrane morphology. *bioRxiv : the preprint server for biology*.

Hajam IA, et al. (2023) Functional divergence of a bacterial enzyme promotes healthy or acneic skin. *Nature communications*, 14(1), 8061.

Rananaware SR, et al. (2023) Programmable RNA detection with CRISPR-Cas12a. *Research square*.

Nguyen LT, et al. (2023) Engineering highly thermostable Cas12b via de novo structural analyses for one-pot detection of nucleic acids. *Cell reports. Medicine*, 4(5), 101037.

Grove DJ, et al. (2023) Increased levels of eIF2A inhibit translation by sequestering 40S ribosomal subunits. *Nucleic acids research*, 51(18), 9983.