

Resource Summary Report

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pET His6 MBP N10 TEV LIC cloning vector (2C-T)

RRID:Addgene_29706

Type: Plasmid

Proper Citation

RRID:Addgene_29706

Plasmid Information

URL: <http://www.addgene.org/29706>

Proper Citation: RRID:Addgene_29706

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5950; Vector Backbone:pET; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid is an empty vector. Your gene can be inserted with a LIC cloning protocol. All 2-series vectors work as single-expression vectors, as well as transfer vectors for our polycistronic system. The LIC cloning site is flanked by 5 pairs of restriction sites, so that your gene can easily be subcloned into our polycistronic destination vectors (2D, 2E, or 2Z). 2C-T has a TEV-cleavable N-terminal His6-MBP fusion tag. MBP can improve the expression and solubility of your target protein. The N10 linker may help you to avoid steric clashes between your protein and the MBP tag. To clone into this vector, add LIC v1 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 N10 TEV LIC cloning vector (2C-T)

Record Creation Time: 20220422T222131+0000

Record Last Update: 20260815T081323+0000

Ratings and Alerts

No rating or validation information has been found for pET His6 MBP N10 TEV LIC cloning vector (2C-T).

No alerts have been found for pET His6 MBP N10 TEV LIC cloning vector (2C-T).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Liang Q, et al. (2025) Rational design yields RNA-binding zinc finger domains with altered sequence specificity. *RNA (New York, N.Y.)*, 31(2), 150.

Negi V, et al. (2025) A BSL-2 chimeric system designed to screen SARS-CoV-2 E protein ion channel inhibitors. *Journal of virology*, 99(5), e0225224.

Davis RB, et al. (2024) Heterotypic interactions can drive selective co-condensation of prion-like low-complexity domains of FET proteins and mammalian SWI/SNF complex. *Nature communications*, 15(1), 1168.

Liang Q, et al. (2024) High-sensitivity in situ capture of endogenous RNA-protein interactions in fixed cells and primary tissues. *Nature communications*, 15(1), 7067.

Milano CR, et al. (2024) Chromatin binding by HORMAD proteins regulates meiotic recombination initiation. *The EMBO journal*, 43(5), 836.

Ablazov A, et al. (2023) ZAXINONE SYNTHASE 2 regulates growth and arbuscular mycorrhizal symbiosis in rice. *Plant physiology*, 191(1), 382.

Russo AE, et al. (2023) The conserved AAA ATPase PCH-2 distributes its regulation of meiotic prophase events through multiple meiotic HORMADs in *C. elegans*. *PLoS genetics*, 19(4), e1010708.

Aguirre T, et al. (2023) An unconventional gatekeeper mutation sensitizes inositol hexakisphosphate kinases to an allosteric inhibitor. *eLife*, 12.

Lau RK, et al. (2022) A conserved signaling pathway activates bacterial CBASS immune signaling in response to DNA damage. *The EMBO journal*, 41(22), e111540.

Kaur T, et al. (2021) Sequence-encoded and composition-dependent protein-RNA interactions control multiphasic condensate morphologies. *Nature communications*, 12(1), 872.

Ye Q, et al. (2021) Structural Basis for SARS-CoV-2 Nucleocapsid Protein Recognition by Single-Domain Antibodies. *Frontiers in immunology*, 12, 719037.

Ye Q, et al. (2020) Architecture and self-assembly of the SARS-CoV-2 nucleocapsid protein. *Protein science : a publication of the Protein Society*, 29(9), 1890.

Wang JY, et al. (2019) The apocarotenoid metabolite zaxinone regulates growth and strigolactone biosynthesis in rice. *Nature communications*, 10(1), 810.

Kaur T, et al. (2019) Molecular Crowding Tunes Material States of Ribonucleoprotein Condensates. *Biomolecules*, 9(2).

Strutt SC, et al. (2018) RNA-dependent RNA targeting by CRISPR-Cas9. *eLife*, 7.

Dimster-Denk D, et al. (2013) Mono and dual cofactor dependence of human cystathionine γ -synthase enzyme variants in vivo and in vitro. *G3 (Bethesda, Md.)*, 3(10), 1619.