

Resource Summary Report

Generated by [kravitz2](#) on Aug 5, 2026

pFastBac His6 MBP N10 TEV LIC cloning vector (4C)

RRID:Addgene_30116

Type: Plasmid

Proper Citation

RRID:Addgene_30116

Plasmid Information

URL: <http://www.addgene.org/30116>

Proper Citation: RRID:Addgene_30116

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5976; Vector Backbone:pFastBac; Vector Types:Insect Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid is a LIC-adapted pFastBac vector. It uses the same PCR primer tags as with most of our other vectors, so one PCR product can be inserted into many different vectors at once. This vector will add a His6-MBP-N10-TEV sequence to the N terminus of your protein. MBP may improve the solubility of your protein. Add the following tags to your PCR primers: LicV1 Forward Tag TACTTCCAATCCAATGCA LicV1 Reverse Tag TTATCCACTTCCAATGTTATTA Linearize this plasmid with SspI and gel purify the product, then T4-treat with dGTP. For the PCR product, T4-treat with dCTP. For more information, please see our website: <http://qb3.berkeley.edu/qb3/macrolab/>

Plasmid Name: pFastBac His6 MBP N10 TEV LIC cloning vector (4C)

Record Creation Time: 20220422T222132+0000

Record Last Update: 20260801T081121+0000

Ratings and Alerts

No rating or validation information has been found for pFastBac His6 MBP N10 TEV LIC cloning vector (4C).

No alerts have been found for pFastBac His6 MBP N10 TEV LIC cloning vector (4C).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Fokkens TJ, et al. (2025) A Leishmania virulence factor harnesses an allosteric kinase switch to regulate its ubiquitin ligase activity. *Molecular cell*, 85(19), 3711.

Morales EA, et al. (2024) Mitotic spindle positioning protein (MISP) preferentially binds to aged F-actin. *The Journal of biological chemistry*, 300(5), 107279.

Morales EA, et al. (2023) Mitotic spindle positioning protein (MISP) is an actin bundler that senses ADP-actin and binds near the pointed ends of filaments. *bioRxiv : the preprint server for biology*.

Ma L, et al. (2023) Two RNA-binding proteins mediate the sorting of miR223 from mitochondria into exosomes. *eLife*, 12.

Morales EA, et al. (2022) Mitotic Spindle Positioning (MISP) is an actin bundler that selectively stabilizes the rootlets of epithelial microvilli. *Cell reports*, 39(3), 110692.

Ashok Y, et al. (2022) Reconstitution of the DTX3L-PARP9 complex reveals determinants for high-affinity heterodimerization and multimeric assembly. *The Biochemical journal*, 479(3), 289.

Parker MW, et al. (2019) A new class of disordered elements controls DNA replication through initiator self-assembly. *eLife*, 8.

Kidwell MA, et al. (2014) Evolutionarily conserved roles of the dicer helicase domain in regulating RNA interference processing. *The Journal of biological chemistry*, 289(41), 28352.