# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

## pET MBP His6 LIC cloning vector (2Cc-T)

RRID:Addgene_37237
Type: Plasmid

### Proper Citation

RRID:Addgene_37237

### Plasmid Information

**URL:** http://www.addgene.org/37237

**Proper Citation:** RRID:Addgene_37237

**Bacterial Resistance:** Ampicillin

**Defining Citation:** PMID:

**Vector Backbone Description:** Backbone Size:5898; 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. For more details, see the MacroLab vector cloning manual. 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). 2Cc-T has a TEV-cleavable C-terminal MBP tag to enhance solubility, as well as a His6 tag to ease purification. The TEV site is created after performing LIC cloning described below. To clone into this vector, add LIC v3 tags to the 5' end of your PCR primers. Forward - 5'TTTAAGAAGGAGATATAGTTC(ATG)3' Reverse - 5'GGATTGGAAGTAGAGGTTCTC3' Linearize the plasmid with HpaI and gel purify. When digesting the DNA with T4 polymerase, use dGTP for insert and dCTP for vector. More information on this vector can be found through http://qb3.berkeley.edu/qb3/macrolab/

**Plasmid Name:** pET MBP His6 LIC cloning vector (2Cc-T)

**Record Creation Time:** 20220422T222158+0000

**Record Last Update:** 20220422T223936+0000

## Ratings and Alerts

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

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

## Data and Source Information

**Source:** Addgene

## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Lawrence EJ, et al. (2021) SSNA1 stabilizes dynamic microtubules and detects microtubule damage. eLife, 10.

Parker MW, et al. (2021) Molecular determinants of phase separation for Drosophila DNA replication licensing factors. eLife, 10.

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