Resource Summary Report

Generated by RRID on Aug 26, 2026

pET GFP LIC cloning vector (u-msfGFP)

RRID:Addgene_29772
Type: Plasmid

Proper Citation

RRID:Addgene_29772

Plasmid Information

URL: http://www.addgene.org/29772

Proper Citation: RRID:Addgene_29772

Insert Name: None

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5481; 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. This plasmid can be used as a single-expression vector, and it is also compatible with our 2-series polycistronic destination vectors (2D, 2E, and 2Z), if co-expression with other genes is desired. GFP has a excitation max of 489 nm and an emission max of 510 nm. To clone into this vector, add LIC tags to the 5' end of your PCR primers. Forward - 5' TTTAAGAAGGAGATATAGATC3' Reverse - 5' GTTGGAGGATGAGAGGATCCC 3' Do NOT include a stop codon with your reverse primer. Linearize the plasmid with EcoRV, then gel purify. When digesting the DNA with T4 polymerase, use dGTP for the insert and dCTP for your linearized vector. More information on this vector can be found through http://qb3.berkeley.edu/qb3/macrolab/

Plasmid Name: pET GFP LIC cloning vector (u-msfGFP)

Record Creation Time: 20220422T222131+0000

Record Last Update: 20260815T081323+0000

Ratings and Alerts

No rating or validation information has been found for pET GFP LIC cloning vector (u-msfGFP).

No alerts have been found for pET GFP LIC cloning vector (u-msfGFP).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Whittle EE, et al. (2021) Efflux Impacts Intracellular Accumulation Only in Actively Growing Bacterial Cells. mBio, 12(5), e0260821.

Rolf J, et al. (2019) Screening and Identification of Novel cGAS Homologues Using a Combination of in Vitro and In Vivo Protein Synthesis. International journal of molecular sciences, 21(1).

Coolbaugh MJ, et al. (2017) High-throughput purification of recombinant proteins using self-cleaving intein tags. Analytical biochemistry, 516, 65.

Kamilla S, et al. (2016) Mycobacteriophage D29 holin C-terminal region functionally assists in holin aggregation and bacterial cell death. The FEBS journal, 283(1), 173.

Pohane AA, et al. (2014) Molecular dissection of phage endolysin: an interdomain interaction confers host specificity in Lysin A of Mycobacterium phage D29. The Journal of biological chemistry, 289(17), 12085.

Singh MI, et al. (2013) Tagging the expressed protein with 6 histidines: rapid cloning of an amplicon with three options. PloS one, 8(5), e63922.