Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

pET His6 GFP TEV LIC cloning vector (1GFP)

RRID:Addgene_29663
Type: Plasmid

Proper Citation

RRID:Addgene_29663

Plasmid Information

URL: http://www.addgene.org/29663

Proper Citation: RRID:Addgene_29663

Bacterial Resistance: Kanamycin

Defining Citation: PMID:

Vector Backbone Description: Backbone Size:6075; 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. GFP can enhance your protein's expression and solubility. It can also be used as a reporter gene. 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/macrolab/

Plasmid Name: pET His6 GFP TEV LIC cloning vector (1GFP)

Record Creation Time: 20220422T222131+0000

Record Last Update: 20230915T081022+0000

Ratings and Alerts

No rating or validation information has been found for pET His6 GFP TEV LIC cloning vector

(1GFP).

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

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 FDI Lab - SciCrunch.org.

Ramakrishnan N, et al. (2024) Nucleolytic processing of abasic sites underlies PARP inhibitor hypersensitivity in ALC1-deficient BRCA mutant cancer cells. Nature communications, 15(1), 6343.

Lifshits LA, et al. (2024) Nature-inspired peptide of MtDef4 C-terminus tail enables protein delivery in mammalian cells. Scientific reports, 14(1), 4604.

Enders L, et al. (2023) Pharmacological perturbation of the phase-separating protein SMNDC1. Nature communications, 14(1), 4504.

Wolff ID, et al. (2022) Acentrosomal spindle assembly and maintenance in Caenorhabditis elegans oocytes requires a kinesin-12 nonmotor microtubule interaction domain. Molecular biology of the cell, 33(8), ar71.

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

Hambarde S, et al. (2021) EXO5-DNA structure and BLM interactions direct DNA resection critical for ATR-dependent replication restart. Molecular cell, 81(14), 2989.

Sell MG, et al. (2021) Visualizing Borrelia burgdorferi Infection Using a Small-Molecule Imaging Probe. Journal of clinical microbiology, 59(7), e0231320.

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