

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

BL21?ABCF

RRID:Addgene_102270

Type: Plasmid

Proper Citation

RRID:Addgene_102270

Plasmid Information

URL: <http://www.addgene.org/102270>

Proper Citation: RRID:Addgene_102270

Bacterial Resistance: Tetracycline

Defining Citation: [PMID:29164072](#)

Vector Backbone Description: Vector Backbone:none; Vector Types:; Bacterial Resistance:Tetracycline

Comments: Genotype = ?ompA ?ompC ?ompF ?lamB Precursor strain = BL21Gold(DE3) [genotype F- ompT hsdS(rB- mB-) dcm+ Tetr gal ?(DE3) endA Hte] Supplemental document contains a list of genotypes and PCR primers used for verification of each knocked-out gene. Due to the strain's growth defect and potential for contamination, Addgene recommends streaking for single colonies from the stab on low salt LB containing tetracycline and then screening colonies by PCR using the Leo Lab's recommended primers to confirm the strain.

Plasmid Name: BL21?ABCF

Record Creation Time: 20220422T221455+0000

Record Last Update: 20260725T073347+0000

Ratings and Alerts

No rating or validation information has been found for BL21?ABCF.

No alerts have been found for BL21?ABCF.

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 [NIF](#) .

Fowler BD, et al. (2022) Human Monoclonal Antibodies to Escherichia coli Outer Membrane Protein A Porin Domain Cause Aggregation but Do Not Alter In Vivo Bacterial Burdens in a Murine Sepsis Model. *Infection and immunity*, 90(6), e0017622.

Atanaskovic I, et al. (2020) Targeted Killing of Pseudomonas aeruginosa by Pyocin G Occurs via the Hemin Transporter Hur. *Journal of molecular biology*, 432(13), 3869.

Saragliadis A, et al. (2018) Producing Gene Deletions in Escherichia coli by P1 Transduction with Excisable Antibiotic Resistance Cassettes. *Journal of visualized experiments : JoVE*(139).