

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

ML21

RRID:Addgene_61914

Type: Plasmid

Proper Citation

RRID:Addgene_61914

Plasmid Information

URL: <http://www.addgene.org/61914>

Proper Citation: RRID:Addgene_61914

Insert Name: none

Bacterial Resistance: None

Defining Citation: [PMID:21925267](#)

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

Comments: Genotype = tyrA hisG Precursor strain = ML14 modified from the parent Escherichia coli C43(DE3) strain Selective amino acid labeling (and/or requirement) = (Tyr), His Each target gene was deleted from the chromosome of C43 (DE3) E. coli strain using ??-Red recombination system. Supplemental documents contain a list of PCR primers used for verification of each knocked-out gene as well as an image showing PCR results for this strain.

Plasmid Name: ML21

Record Creation Time: 20220422T222355+0000

Record Last Update: 20260815T081747+0000

Ratings and Alerts

No rating or validation information has been found for ML21.

No alerts have been found for ML21.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.