

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

ML2

RRID:Addgene_61906

Type: Plasmid

Proper Citation

RRID:Addgene_61906

Plasmid Information

URL: <http://www.addgene.org/61906>

Proper Citation: RRID:Addgene_61906

Insert Name: none

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21925267](#)

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

Comments: Genotype = cyo::kan++ ilvE (Kan cassette in the chromosomal DNA) Precursor strain = CLY (Genotype cyo::kan) Selective amino acid labeling (and/or requirement) = Ile, Leu* CLY strain was derived from the C43(DE3)strain by transferring the cyo deletion (with kanamycin resistance cassette kanR) from an E. coli B strain to C43(DE3) strain by phage P1 [J. Biol. Chem. 282, 8777-8785 (2007)]. Thus, the kanR cassette CANNOT be removed because there are NO FRT sites flanking kanR. In the presence of 0.4-1 mM Tyr, tyrB is repressed and Leu is required for growth in minimal medium. This strategy can only be applicable for a short-term cultivation but not suitable for a long-term cultivation for heterologous expression of foreign genes. 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: ML2

Record Creation Time: 20220422T222355+0000

Record Last Update: 20260815T081747+0000

Ratings and Alerts

No rating or validation information has been found for ML2.

No alerts have been found for ML2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.