

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## ML26

RRID:Addgene\_61917

Type: Plasmid

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### Proper Citation

RRID:Addgene\_61917

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### Plasmid Information

**URL:** <http://www.addgene.org/61917>

**Proper Citation:** RRID:Addgene\_61917

**Insert Name:** none

**Bacterial Resistance:** None

**Defining Citation:** [PMID:21925267](#)

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

**Comments:** Genotype = cyo ilvE avtA aspC hisG argH Precursor strain = ML23 modified from the parent Escherichia coli C43(DE3) strain Selective amino acid labeling (and/or requirement) = (Ala#), Ile, Leu\*, Tyr#, Val, His, Arg \*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 [Methods 55, 370-378 (2011)]. #In the presence of 0.4-1 mM Tyr, tyrB is repressed and Tyr is required for growth in minimal medium. Under these conditions, this strain can also be used for selective labeling of the input Tyr and/or Ala label(s), although minor diffusion of the input label(s) can occur. Note that 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 [Methods 55, 370-378 (2011)]. 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:** ML26

**Record Creation Time:** 20220422T222355+0000

**Record Last Update:** 20260725T074937+0000

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## Ratings and Alerts

No rating or validation information has been found for ML26.

No alerts have been found for ML26.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.