

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

pMAPLe4 PCMTD1 F57 F217 F220

RRID:Addgene_246505

Type: Plasmid

Proper Citation

RRID:Addgene_246505

Plasmid Information

URL: <http://www.addgene.org/246505>

Proper Citation: RRID:Addgene_246505

Insert Name: Protein-L-isoaspartate O-methyltransferase domain-containing protein 1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:40475564](#)

Vector Backbone Description: Backbone Size:6220; Vector Backbone:pMAPLe4; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: Induce with 0.5 mM IPTG at OD600 = 0.5 - 0.7 and express for 3 hours at 37°C after induction. Please visit <https://doi.org/10.1101/2025.05.21.654933> for bioRxiv preprint.

Plasmid Name: pMAPLe4 PCMTD1 F57 F217 F220

Relevant Mutation: Residue 312 is Isoleucine in this plasmid but occurs naturally in humans as either an Asparagine or Isoleucine polymorphism. Uniprot Q96MG8-1 reflects the Asparagine polymorphism. Changed Lysine 57 to Phenylalanine, Alanine 217 to Phenylalanine, and Valine 220 to Phenylalanine.

Record Creation Time: 20251015T053937+0000

Record Last Update: 20260829T082526+0000

Ratings and Alerts

No rating or validation information has been found for pMAPLe4 PCMTD1 F57 F217 F220.

No alerts have been found for pMAPLe4 PCMTD1 F57 F217 F220.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.