

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pcDNA3.1(+)_4x(U6 tRNA M15)_CMV NESPyIRS(AF)

RRID:Addgene_182652

Type: Plasmid

Proper Citation

RRID:Addgene_182652

Plasmid Information

URL: <http://www.addgene.org/182652>

Proper Citation: RRID:Addgene_182652

Insert Name: codon-optimized Y306A/Y384F (AF) double mutant of Methanosarcina mazei-derived pyrrolysine (Pyl) tRNA synthetase

Organism: Methanosarcina mazei

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35031604](#)

Vector Backbone Description: Vector Backbone:pcDNA3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Addgene QC NGS analysis identified 3X U6 tRNA M15, rather than 4X. The depositor has confirmed that this should have no influence on the functionality of the plasmid.

Plasmid Name: pcDNA3.1(+)_4x(U6 tRNA M15)_CMV NESPyIRS(AF)

Relevant Mutation: Y306A/Y384F (AF) double mutant of Methanosarcina mazei-derived pyrrolysine (Pyl) tRNA synthetase

Record Creation Time: 20220529T080219+0000

Record Last Update: 20260725T075433+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1(+)_4x(U6 tRNA M15)_CMV NESPyIRS(AF).

No alerts have been found for pcDNA3.1(+)_4x(U6 tRNA M15)_CMV NESPyIRS(AF).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.