

Resource Summary Report

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

pcDNA3.1(+)_U6 tRNAPyl_CMV NESPyIRS(AF)

RRID:Addgene_182287

Type: Plasmid

Proper Citation

RRID:Addgene_182287

Plasmid Information

URL: <http://www.addgene.org/182287>

Proper Citation: RRID:Addgene_182287

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

Plasmid Name: pcDNA3.1(+)_U6 tRNAPyl_CMV NESPyIRS(AF)

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

Record Creation Time: 20220602T080202+0000

Record Last Update: 20260725T075434+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1(+)_U6 tRNAPyl_CMV NESPyIRS(AF) .

No alerts have been found for pcDNA3.1(+)_U6 tRNAPyl_CMV NESPyIRS(AF) .

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Stajkovi?? N, et al. (2023) Direct fluorescent labeling of NF186 and NaV1.6 in living primary neurons using bioorthogonal click chemistry. Journal of cell science, 136(12).