

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

[pDule2-pCNF](#)

RRID:Addgene_85495

Type: Plasmid

Proper Citation

RRID:Addgene_85495

Plasmid Information

URL: <http://www.addgene.org/85495>

Proper Citation: RRID:Addgene_85495

Insert Name: para-cyanophenylalanine Mj synthetase

Organism: Methanocaldococcus jannaschii

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:19492814](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pDule2; Vector Types:Bacterial Expression; Bacterial Resistance:Spectinomycin

Plasmid Name: pDule2-pCNF

Relevant Mutation: Y32L L65V F108W Q109M D158G I159P

Record Creation Time: 20220422T222550+0000

Record Last Update: 20260829T081202+0000

Ratings and Alerts

No rating or validation information has been found for pDule2-pCNF.

No alerts have been found for pDule2-pCNF.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Finocchiaro G, et al. (2025) Front-illuminated surface plasmon resonance biosensor for the study of light-responsive proteins and their interactions. *Biosensors & bioelectronics*, 291, 117998.

Beyer JN, et al. (2025) Intracellular protein editing enables incorporation of noncanonical residues in endogenous proteins. *Science (New York, N.Y.)*, 388(6746), eadr5499.

Beyer JN, et al. (2024) Intracellular Protein Editing to Enable Incorporation of Non-Canonical Residues into Endogenous Proteins. *bioRxiv : the preprint server for biology*.

Beyer JN, et al. (2020) Overcoming Near-Cognate Suppression in a Release Factor 1-Deficient Host with an Improved Nitro-Tyrosine tRNA Synthetase. *Journal of molecular biology*, 432(16), 4690.

Palani S, et al. (2020) Phosphoregulation of tropomyosin-actin interaction revealed using a genetic code expansion strategy. *Wellcome open research*, 5, 161.