

Resource Summary Report

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

pDule2-Tet2.0

RRID:Addgene_85497

Type: Plasmid

Proper Citation

RRID:Addgene_85497

Plasmid Information

URL: <http://www.addgene.org/85497>

Proper Citation: RRID:Addgene_85497

Insert Name: Tetrazine2.0 tRNA synthetase and cognate amber suppressing tRNA derived from *M. jannaschii* Tyrosine synthetase/tRNA system

Organism: *Methanocaldococcus jannaschii*

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:26237426](#)

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

Plasmid Name: pDule2-Tet2.0

Relevant Mutation: Y32G L65Q F108S Q109D D158S L162N

Record Creation Time: 20220422T222550+0000

Record Last Update: 20260829T081202+0000

Ratings and Alerts

No rating or validation information has been found for pDule2-Tet2.0.

No alerts have been found for pDule2-Tet2.0.

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 [RRID](#) .

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.