

Resource Summary Report

Generated by [dkNET](#) on Sep 18, 2026

[pEVOL-pAzF\[TAG\]](#)

RRID:Addgene_164579

Type: Plasmid

Proper Citation

RRID:Addgene_164579

Plasmid Information

URL: <http://www.addgene.org/164579>

Proper Citation: RRID:Addgene_164579

Insert Name: Mj pCNFRS[TAG] (aaRS1)

Organism: Methanocaldococcus jannaschii (engineered)

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:34590824](#)

Vector Backbone Description: Backbone Size:4179; Vector Backbone:pEVOL; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

Comments: Machinery plasmid for incorporation of para-Azidophenylalanine (pAzF), para-cyanophenylalanine (pCNF), and para-ethynylphenylalanine (pENF) at TAG codons. Please visit <https://doi.org/10.1101/2021.04.12.439361> for bioRxiv preprint.

Plasmid Name: pEVOL-pAzF[TAG]

Relevant Mutation: Y32L L65V F108W Q109M D158G I159P

Record Creation Time: 20230513T080246+0000

Record Last Update: 20260912T093751+0000

Ratings and Alerts

No rating or validation information has been found for pEVOL-pAzF[TAG].

No alerts have been found for pEVOL-pAzF[TAG].

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 [dkNET](#) .

Gwyther REA, et al. (2024) Optimising CNT-FET biosensor design through modelling of biomolecular electrostatic gating and its application to ??-lactamase detection. Nature communications, 15(1), 7482.