Resource Summary Report

Generated by RRID on Aug 19, 2026

pEVOL-pAzF

RRID:Addgene_31186
Type: Plasmid

Proper Citation

RRID:Addgene_31186

Plasmid Information

URL: http://www.addgene.org/31186

Proper Citation: RRID:Addgene_31186

Insert Name: M.j. p-azidohenylalanine RS (2 copies +tRNA)

Organism: M.jannaschii

Bacterial Resistance: Chloramphenicol

Defining Citation: PMID:12148987

Vector Backbone Description: Backbone Size:5000; Vector Backbone:p15A; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

Plasmid Name: pEVOL-pAzF

Relevant Mutation: Y32T, E107N, D158P, I159L, L162Q, D286R

Record Creation Time: 20220422T222135+0000

Record Last Update: 20260815T081333+0000

Ratings and Alerts

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

No alerts have been found for pEVOL-pAzF.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Balbierer K, et al. (2025) Modular Virus-like Particles for Antigen Presentation: Comparing Genetic Fusion and Click-Chemistry for Purification. International journal of molecular sciences, 26(20).

Liu H, et al. (2025) Noncanonical amino acids as prophage inducers for protein regulation in bacteria-based delivery systems. mBio, 16(4), e0398824.

Groves NS, et al. (2025) A monomeric envelope glycoprotein cytoplasmic tail is sufficient for HIV-1 Gag lattice trapping and incorporation. Journal of virology, 99(5), e0210524.

Khan YA, et al. (2025) SNARE disassembly requires Sec18/NSF side loading. Nature structural & molecular biology, 32(9), 1708.

Lundrigan E, et al. (2025) Monitoring SARS-CoV-2 Nsp13 helicase binding activity using expanded genetic code techniques. RSC chemical biology, 6(6), 860.

Lee D, et al. (2024) Development of orthogonal aminoacyl-tRNA synthetase mutant for incorporating a non-canonical amino acid. AMB Express, 14(1), 60.

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.

Liu Z, et al. (2024) Engineering an artificial catch bond using mechanical anisotropy. Nature communications, 15(1), 3019.

Gran-Scheuch A, et al. (2024) Designing Michaelases: exploration of novel protein scaffolds for iminium biocatalysis. Faraday discussions, 252, 279.

Khan YA, et al. (2024) Sec18 side-loading is essential for universal SNARE recycling across cellular contexts. bioRxiv : the preprint server for biology.

Guo AD, et al. (2023) Genetically Encoded Noncanonical Amino Acids in Proteins to Investigate Lysine Benzoylation. Methods in molecular biology (Clifton, N.J.), 2676, 131.

Islam J, et al. (2023) Design of Polarity-Dependent Immunosensors Based on the Structural Analysis of Engineered Antibodies. ACS chemical biology, 18(8), 1863.

Wang Y, et al. (2023) Noncanonical amino acids as doubly bio-orthogonal handles for one-pot preparation of protein multiconjugates. Nature communications, 14(1), 974.

Cheng K, et al. (2023) Site-Specific Modification of Virus-Like Particles for Exogenous Tumor Antigen Display and Minimizing Preexisting Immunity. Small (Weinheim an der Bergstrasse, Germany), 19(23), e2300125.

Chen W, et al. (2023) Site-specific incorporation of biophysical probes into NF-?B with non-canonical amino acids. Methods (San Diego, Calif.), 213, 18.

Ruppert M, et al. (2022) Population Dynamics of Stretching Excitations of p-Azido-phenylalanine Incorporated in Calmodulin-Peptide Complexes. The journal of physical chemistry. B, 126(2), 368.

Ma X, et al. (2022) Efficient incorporation of p-azido-l-phenylalanine into the protein using organic solvents. Protein expression and purification, 200, 106158.

Michielsen CMS, et al. (2022) Ratiometric Bioluminescent Zinc Sensor Proteins to Quantify Serum and Intracellular Free Zn2. ACS chemical biology, 17(6), 1567.

Kesici MZ, et al. (2022) A simple and general approach to generate photoactivatable DNA processing enzymes. Nucleic acids research, 50(6), e31.

Saurabh S, et al. (2022) ATP-responsive biomolecular condensates tune bacterial kinase signaling. Science advances, 8(7), eabm6570.