

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

pAcBac1.tR4-MbPyl

RRID:Addgene_50832

Type: Plasmid

Proper Citation

RRID:Addgene_50832

Plasmid Information

URL: <http://www.addgene.org/50832>

Proper Citation: RRID:Addgene_50832

Insert Name: two-copy Pyl tRNA cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23818609](#)

Vector Backbone Description: Vector Backbone:pAcBac; Vector Types:Insect Expression, baculoviral; Bacterial Resistance:Ampicillin

Plasmid Name: pAcBac1.tR4-MbPyl

Record Creation Time: 20220422T222300+0000

Record Last Update: 20260815T081609+0000

Ratings and Alerts

No rating or validation information has been found for pAcBac1.tR4-MbPyl.

No alerts have been found for pAcBac1.tR4-MbPyl.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Milagros S, et al. (2024) The infectivity of AAV9 is influenced by the specific location and extent of chemically modified capsid residues. *Journal of biological engineering*, 18(1), 34.

Galles GD, et al. (2023) Tuning phenylalanine fluorination to assess aromatic contributions to protein function and stability in cells. *Nature communications*, 14(1), 59.

Puzzo F, et al. (2023) Aptamer-programmable adeno-associated viral vectors as a novel platform for cell-specific gene transfer. *Molecular therapy. Nucleic acids*, 31, 383.

Zagotta WN, et al. (2021) An improved fluorescent noncanonical amino acid for measuring conformational distributions using time-resolved transition metal ion FRET. *eLife*, 10.

Jang HS, et al. (2020) Efficient Site-Specific Prokaryotic and Eukaryotic Incorporation of Halotyrosine Amino Acids into Proteins. *ACS chemical biology*, 15(2), 562.

Serfling R, et al. (2018) Designer tRNAs for efficient incorporation of non-canonical amino acids by the pyrrolysine system in mammalian cells. *Nucleic acids research*, 46(1), 1.

Heil CS, et al. (2018) Site-Specific Labelling of Multidomain Proteins by Amber Codon Suppression. *Scientific reports*, 8(1), 14864.

Katrekar D, et al. (2018) Oligonucleotide conjugated multi-functional adeno-associated viruses. *Scientific reports*, 8(1), 3589.