Resource Summary Report

Generated by RRID on Aug 27, 2026

pET30a-AlkB

RRID:Addgene_79050
Type: Plasmid

Proper Citation

RRID:Addgene_79050

Plasmid Information

URL: http://www.addgene.org/79050

Proper Citation: RRID:Addgene_79050

Insert Name: AlkB

Organism: E.coli

Bacterial Resistance: Kanamycin

Defining Citation: PMID:26214130

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5243; Vector Backbone:pET30a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pET30a-AlkB

Relevant Mutation: A truncated AlkB with deletion of the amino (N)-terminal 11 amino acids

Record Creation Time: 20220422T222519+0000

Record Last Update: 20260815T082028+0000

Ratings and Alerts

No rating or validation information has been found for pET30a-AlkB.

No alerts have been found for pET30a-AlkB.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Peña N, et al. (2025) In vivo structure profiling reveals human cytosolic and mitochondrial tRNA structurome and interactome in response to stress. Nature communications, 16(1), 5041.

Tutanov OS, et al. (2025) A comprehensive analysis of supermere, exomere, and extracellular vesicle isolation and cargo in colorectal cancer. Cell reports, 44(10), 116287.

Tresky R, et al. (2024) TRMT10A dysfunction perturbs codon translation of initiator methionine and glutamine and impairs brain functions in mice. Nucleic acids research, 52(15), 9230.

Rappol T, et al. (2024) tRNA expression and modification landscapes, and their dynamics during zebrafish embryo development. Nucleic acids research, 52(17), 10575.

Drino A, et al. (2023) Identification of RNA helicases with unwinding activity on angiogenin-processed tRNAs. Nucleic acids research, 51(3), 1326.

Scheepbouwer C, et al. (2023) ALL-tRNAseq enables robust tRNA profiling in tissue samples. Genes & development, 37(5-6), 243.

Bryan C, et al. (2022) In vitro eradication of abasic site-mediated DNA-peptide/protein cross-links by Escherichia coli long-patch base excision repair. The Journal of biological chemistry, 298(7), 102055.

Chen Z, et al. (2021) METTL1 promotes hepatocarcinogenesis via m7 G tRNA modification-dependent translation control. Clinical and translational medicine, 11(12), e661.

Cui J, et al. (2021) Nucleotide resolution profiling of m3C RNA modification by HAC-seq. Nucleic acids research, 49(5), e27.

Orellana EA, et al. (2021) METTL1-mediated m7G modification of Arg-TCT tRNA drives oncogenic transformation. Molecular cell, 81(16), 3323.

Tucker JM, et al. (2020) Alteration of the Premature tRNA Landscape by Gammaherpesvirus Infection. mBio, 11(6).

Schmidt L, et al. (2019) Graphical Workflow System for Modification Calling by Machine Learning of Reverse Transcription Signatures. Frontiers in genetics, 10, 876.

Lin S, et al. (2019) Nucleotide resolution profiling of m7G tRNA modification by TRAC-Seq. Nature protocols, 14(11), 3220.

Zhou H, et al. (2019) Evolution of a reverse transcriptase to map N1-methyladenosine in human messenger RNA. Nature methods, 16(12), 1281.

Lin S, et al. (2018) Mettl1/Wdr4-Mediated m7G tRNA Methylome Is Required for Normal mRNA Translation and Embryonic Stem Cell Self-Renewal and Differentiation. Molecular cell, 71(2), 244.

Cosentino C, et al. (2018) Pancreatic ?-cell tRNA hypomethylation and fragmentation link TRMT10A deficiency with diabetes. Nucleic acids research, 46(19), 10302.