Trna (Mo5u34)-Methyltransferase (cmoB) Pseudomonas Syringae Pv. Phaseolicola Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (mo5U34)-methyltransferase (cmoB), Recombinant Protein
Full Product Name	Recombinant Pseudomonas syringae pv. phaseolicola tRNA (mo5U34)-methyltransferase (cmoB)
Product Gene Name	cmoB recombinant protein
Product Synonym Gene Name	cmoB
Sequence	MIDLAPLARR LAGTPLADWA NGLQAQLDTK MAKGHGDLQR WQSALDALPD LQPERIDLLD SFTLQAECNG ETRTVLRKAL LGLSPWRKGP FNVFGVHIDT EWRSDWKWSR VSPHLDLKGK RVLDVGCGNG YYQWRMLGAG ADSVIGVDPN WLFFCQFQAM QRYLPDLPAW HLPFALEDLP ANLEGFDTVF SMGVLYHRKS PIDHLLALKD CLVKGGELVM ETLVVPGDVH QVLVPEDRYA QMRNVWFLPS VPALELWMRR AGFTDVRCVD VSHTTIEEQR STEWMRFQSL SDYLDPADHS KTVEGLPAPM RAVIVGRKP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	36,128 Da
Sequence Positions	1-319, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q48EV7
Species	Pseudomonas syringae pv. phaseolicola (strain 1448A / Race 6)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cmoB recombinant protein	MBS1333885 is a recombinant protein targeting cmoB. Also known as Recombinant Pseudomonas syringae pv. phaseolicola tRNA (mo5U34)-methyltransferase (cmoB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cmoB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for cmoB. It may not necessarily be applicable to this product.

NCBI GI #	490801923
NCBI Accession #	WP_004664058.1
UniProt Primary Accession #	Q48EV7
GenBank Nucleotide #	WP_004664058.1

NCBI Official Full Name	MULTISPECIES: tRNA 5-methoxyuridine(34)/uridine 5-oxyacetic acid(34) synthase CmoB
UniProt Protein Name	tRNA U34 carboxymethyltransferase
Protein Family	tRNA U34 carboxymethyltransferase
UniProt Gene Name	cmoB
UniProt Comments for cmoB	Catalyzes carboxymethyl transfer from carboxy-S-adenosyl-L-methionine (Cx-SAM) to 5-hydroxyuridine (ho5U) to form 5-carboxymethoxyuridine (cmo5U) at position 34 in tRNAs.
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