Trna Pseudouridine Synthase A (truA) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA pseudouridine synthase A (truA), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis tRNA pseudouridine synthase A (truA)
Product Gene Name	truA recombinant protein
Product Synonym Gene Name	truA; TTE2258
Product Synonym Names	tRNA pseudouridine synthase A; EC=5.4.99.12; tRNA pseudouridine(38-40) synthase; tRNA pseudouridylate synthase I; tRNA-uridine isomerase I
Sequence	MLIIEYDGTN YHGWQYQKNA ITVQEVLEKA IEKVTGEKVN LIGSSRTDTG VHALYQVANF KTKTKIPPEK LPYALNAVLP DDVVVVKAKE VDKSFHARYS ARSKRYRYLI LNRQFPMPTM RNYCWHVPYP LDVEAMKKAA FFFRGTHDFS AFKASGNKKV NPVKTIFDLT VEKEGDLIKI EVEADGFLYN MVRIIVGTLV YVGLGKIKAG EIPAIIESKD RTKAGITAPP QGLYLVRIVY
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	27,193 Da
Sequence Positions	1-240aa; 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 Q8R7Y7
Species	Thermoanaerobacter tengcongensis (strain DSM 15242 / JCM 11007 / NBRC 100824 / MB4) (Caldanaerobacter subterraneus subsp. tengcongensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for truA recombinant protein	MBS1323030 is a recombinant protein targeting truA. Also known as Recombinant Thermoanaerobacter tengcongensis tRNA pseudouridine synthase A (truA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of truA 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 truA. It may not necessarily be applicable to this product.

NCBI GI #	20808627
NCBI GeneID	995484

NCBI Accession #	NP_623798.1
UniProt Primary Accession #	Q8R7Y7
UniProt Related Accession #	Q8R7Y7
GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	tRNA pseudouridine synthase A
NCBI Official Symbol	truA
NCBI Official Synonym Symbols	hisT
UniProt Protein Name	tRNA pseudouridine synthase A
UniProt Synonym Protein Names	tRNA pseudouridine(38-40) synthase; tRNA pseudouridylate synthase I; tRNA-uridine isomerase I
Protein Family	tRNA pseudouridine synthase
UniProt Gene Name	truA
UniProt Synonym Gene Names	TTE2258
UniProt Entry Name	TRUA_THETN
NCBI Protein Information	tRNA pseudouridine synthase A
UniProt Comments for truA	Formation of pseudouridine at positions 38, 39 and 40 in the anticodon stem and loop of transfer RNAs.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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