Trna Pseudouridine Synthase B (truB) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA pseudouridine synthase B (truB), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis tRNA pseudouridine synthase B (truB)
Product Gene Name	truB recombinant protein
Product Synonym Gene Name	truB; TTE1390
Product Synonym Names	tRNA pseudouridine synthase B; EC=5.4.99.25; tRNA pseudouridine(55) synthase; Psi55 synthase; tRNA pseudouridylate synthase; tRNA-uridine isomerase
Sequence	MSVDGVLNVL KPPGMTSHDV VDFIRKIYGI KKVGHTGTLD PDAAGVLPVC MGRATKFTSY LMEHDKRYRF EITFGFSTDT LDKSGKIVES GPVPLFTLEK LQEVLSQFKG EIQQIPPIYS AKKVKGKKLY EYARKGEEVE IPPIKVTVYE LELIKYDAPH HLLLDVKCSK GTYVRALVRD ICKKLEVPGH MSFLIRTEVG DFDIESSYTL EEIKEGKAEV QPVDKFIKFP SVELDEVSSN KILNGQFIRN TYNVENSLVK LYDNHGIFIG IGVAEGEKIR PKRLF
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	32,188 Da
Sequence Positions	1-285aa; 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 Q8RA40
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 truB recombinant protein	MBS1365024 is a recombinant protein targeting truB. Also known as Recombinant Thermoanaerobacter tengcongensis tRNA pseudouridine synthase B (truB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of truB 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 truB. It may not necessarily be applicable to this product.

NCBI GI #	20807837
NCBI GeneID	997292

NCBI Accession #	NP_623008.1
UniProt Primary Accession #	Q8RA40
UniProt Related Accession #	Q8RA40
GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	tRNA pseudouridine synthase B
NCBI Official Symbol	truB
UniProt Protein Name	tRNA pseudouridine synthase B
UniProt Synonym Protein Names	tRNA pseudouridine(55) synthase; tRNA pseudouridylate synthase; tRNA-uridine isomerase
Protein Family	Probable tRNA pseudouridine synthase
UniProt Gene Name	truB
UniProt Synonym Gene Names	TTE1390; Psi55 synthase
UniProt Entry Name	TRUB_THETN
NCBI Protein Information	tRNA pseudouridine synthase B
UniProt Comments for truB	Responsible for synthesis of pseudouridine from uracil-55 in the psi GC 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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