Trna Pseudouridine Synthase A (truA) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA pseudouridine synthase A (truA), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus tRNA pseudouridine synthase A (truA)
Product Gene Name	truA recombinant protein
Product Synonym Gene Name	truA
Sequence	MKRIALLVQY DGSNYSGWQR QKNATTVQET LERALFKITH QVVKTFAAGR TDAGVHASGQ VVHFNIDCVI PANSYSDILN GLLPSAIRIL ESVEVKDSWH SCYSAMYRHY RYVINNSKFP NLFINNWSWH RYQKILDEVL MSNASKLMEG EHDFFAFQKS GSQRKNSITK IKNVEIKRVE DLILVDIKAT GFLYGMVRLI VGQLVLVGEK KISPEIFTDI WVNQKKNDVK ESAPAKGLCF VNAVYEENVF KKINNNDFFP VFLIKGFS
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	30,695 Da
Sequence Positions	1-268, 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 Q318K9
Species	Prochlorococcus marinus (strain MIT 9312)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for truA recombinant protein	MBS1334694 is a recombinant protein targeting truA. Also known as Recombinant Prochlorococcus marinus 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 #	499696434
NCBI Accession #	WP_011377168.1
UniProt Primary Accession #	Q318K9
GenBank Nucleotide #	WP_011377168.1
NCBI Official Full Name	tRNA pseudouridine(38-40) synthase TruA

UniProt Protein Name	tRNA pseudouridine synthase A
UniProt Synonym Protein Names	tRNA pseudouridine(38-40) synthase
Protein Family	tRNA pseudouridine synthase
UniProt Gene Name	truA
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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