Tryptophan Synthase Alpha Chain (trpA) Methanococcus Voltae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase alpha chain (trpA), Recombinant Protein
Full Product Name	Recombinant Methanococcus voltae Tryptophan synthase alpha chain (trpA)
Product Gene Name	trpA recombinant protein
Sequence	MKNLENLEKD LKNDLKKDLK KEKPILVSFL VSGDPNIEAT LKFMNALDEY CGVIELGIPF SDPIADGSTI QEANVRSLSN GYKIHQSFDV LREFRKFSDT PVVLMTYYNP IYKRGIENFV IQAKEAGANG LIIVDLPLDE AEQYRAICKK HDMGTVFLVA PNTPDERLMY SDEASTLFLY VISTFGITGA RGSFEKMTFE FIARAKNLCD KNKLYVGFGI SNGEHAEKII ENGADGVIVG SAFVDIIKEY GDSNETIYKL KELARELSEG IHKGYVKYNE KNKY
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	31,975 Da
Sequence Positions	1-284, 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 P14637
Species	Methanococcus voltae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpA recombinant protein	MBS1240352 is a recombinant protein targeting trpA. Also known as Recombinant Methanococcus voltae Tryptophan synthase alpha chain (trpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpA 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 trpA. It may not necessarily be applicable to this product.

NCBI GI #	136262
NCBI Accession #	P14637.1
UniProt Primary Accession #	P14637
NCBI Official Full Name	Tryptophan synthase alpha chain
UniProt Protein Name	Tryptophan synthase alpha chain
Protein Family	Tryptophan synthase

UniProt Gene Name	trpA
UniProt Comments for trpA	The alpha subunit is responsible for the aldol cleavage of indoleglycerol phosphate to indole and glyceraldehyde 3-phosphate.
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