Tryptophan Synthase Alpha Chain (trpA) Thiobacillus Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase alpha chain (trpA), Recombinant Protein
Full Product Name	Recombinant Thiobacillus denitrificans Tryptophan synthase alpha chain (trpA)
Product Gene Name	trpA recombinant protein
Product Synonym Gene Name	trpA
Sequence	MSRIGQTFTA LKAQNRKALI SFITAGDPGK GLTVPLMHAL VDAGTDIIEL GVPFSDPMAD GPVIQRASER ALANKVGLKD VLAMTAEFRK VNTSTPVVLM GYANPFEHMG YETFAEAAKT AGVDGVLTVD IPPEESLGVS DVFKAHDLDP IFLLSPTTPE SRVAQVAAVA GGFIYYVSLK GVTGSANLDT EEVARKVAMV RKHCDLPVGV GFGIRDAATA EAVARIADAV VVGSRIVNEI ETAPEGECGA RVKHLVADLR RGVDAASKQT ENK
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	28,742 Da
Sequence Positions	1-273, Full length
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 Q3SHM0
Species	Thiobacillus denitrificans (strain 25259)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpA recombinant protein	MBS1393809 is a recombinant protein targeting trpA. Also known as Recombinant Thiobacillus denitrificans 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 #	499631691
NCBI Accession #	WP_011312425.1
UniProt Primary Accession #	Q3SHM0
GenBank Nucleotide #	WP_011312425.1
NCBI Official Full Name	tryptophan synthase subunit alpha

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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