Tryptophan Synthase Beta Chain (trpB) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase beta chain (trpB), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Tryptophan synthase beta chain (trpB)
Product Gene Name	trpB recombinant protein
Product Synonym Gene Name	trpB
Sequence	MNKQIQTEAD ELGFFGEYGG QYVPETLMPA IIELKKAYKE AKADPEFQRE LEYYLSEYVG RATPLTYAAS YTESLGGAKI YLKREDLNHT GAHKINNALG QALLAKRMGK KKLVAETGAG QHGVASATVA ALFDMELVVF MGSEDIKRQQ LNVFRMELLG AKVVAVEDGQ GTLSDAVNKA LQYWVSHVDD THYLLGSALG PDPFPTIVRD FQSVIGKEIK SQILKKEGRL PDAIVACIGG GSNAIGTFYP FIKDDVALYG VEAAGQGDDT DKHALAIGKG SPGVLHGTKM YLIQDEDGQV QLAHSISAGL DYPGIGPEHS YYHDIGRVTF ENASDTQAMN ALINFTKHEG IIPAIESAHA LSYVERLAPT MSKEDIIVVT ISGRGDKDME TIRQYMVERG LAND
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	43,965 Da
Sequence Positions	1-404, 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 Q2FYR4
Species	Staphylococcus aureus (strain 8325)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpB recombinant protein	MBS1435305 is a recombinant protein targeting trpB. Also known as Recombinant Staphylococcus aureus Tryptophan synthase beta chain (trpB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpB 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 trpB. It may not necessarily be applicable to this product.

NCBI GI #	446964081
NCBI Accession #	WP_001041337.1
UniProt Primary Accession #	Q2FYR4
GenBank Nucleotide #	WP_001041337.1

NCBI Official Full Name	MULTISPECIES: tryptophan synthase subunit beta
UniProt Protein Name	Tryptophan synthase beta chain
Protein Family	Tryptophan synthase
UniProt Gene Name	trpB
UniProt Comments for trpB	The beta subunit is responsible for the synthesis of L-tryptophan from indole and L-serine.
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