Tryptophan Synthase Beta Chain (trpB) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase beta chain (trpB), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Tryptophan synthase beta chain (trpB)
Product Gene Name	trpB recombinant protein
Sequence	MNYAYPDEKG HYGIYGGRYV PETLMQSVLE LEEAYKEAMQ DEAFQKELNH YLKTYVGRET PLYFAENLTK YCGGAKIYLK REDLNHTGAH KINNTIGQAL LAVRMGKKKV VAETGAGQHG VATATVCALL GLECVIFMGE EDVRRQKLNV FRMELLGAKV ESVAAGSGTL KDAVNEALRY WVSHVHDTHY IMGSVLGPHP FPQIVRDFQS VIGNETKKQY EALEGKLPEA VVACIGGGSN AMGMFYPFVH DEEVALYGVE AAGKGVHTEK HAATLTKGSV GVLHGSMMYL LQNEEGQIQE AHSISAGLDY PGVGPEHSLL KDIGRVSYHS ITDEEALEAF QLLTKKEGII PALESSHAVA YALKLAPQMK KDEGLVICLS GRGDKDVESI KRYMEEV
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	43,583 Da
Sequence Positions	1-397, 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 B7HH01
Species	Bacillus cereus (strain B4264)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpB recombinant protein	MBS1223211 is a recombinant protein targeting trpB. Also known as Recombinant Bacillus cereus 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 #	447027760
NCBI Accession #	WP_001105016.1
UniProt Primary Accession #	B7HH01
GenBank Nucleotide #	WP_001105016.1
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.
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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