Tryptophan Synthase Beta Chain (trpB) Thermococcus Onnurineus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase beta chain (trpB), Recombinant Protein
Full Product Name	Recombinant Thermococcus onnurineus Tryptophan synthase beta chain (trpB)
Product Gene Name	trpB recombinant protein
Sequence	MKAVLPDSKM PKRWYNILPD LPEPLAPPLD PETDEPMESE KLLRIFASEL VKQEMSMERY IDIPKKVREL YAKIGRPTPL FRATNLEKAL ETPARIYFKY EGATVTGSHK INTALAQAYY AKKQGIERLV TETGAGQWGT ALSLAGALMG INVRVYMARA SFYQKPYRKT IMRLYGAEIY PSPSDRTEIG RKFLSEDPNH PGGLGIAISE AIEDVLRDEK ARYALGSVLN HVLMHQTVIG LEAKEQMKEF EDPDVIIGCV GGGSNFAGLA YPFVKDRLDG KADYEFIAVE PRAAPSMTRG VYTYDYGDSG GLTPKMKMHT LGHTYYVPPI HAGGLRYHGL APTLSILINH GIVRPVAYHQ TEVFEAARLF AKTEGIVPAP ESAHAVKAAI DRALKAKEEG KEEVILFNLS GHGLLDLKGY EDFLDGKLED YEPEELPALR GEV
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	49,198 Da
Sequence Positions	1-443, 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 B6YSU5
Species	Thermococcus onnurineus (strain NA1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpB recombinant protein	MBS1259603 is a recombinant protein targeting trpB. Also known as Recombinant Thermococcus onnurineus 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 #	501566665
NCBI Accession #	WP_012571105.1
UniProt Primary Accession #	B6YSU5
GenBank Nucleotide #	WP_012571105.1
NCBI Official Full Name	TrpB-like pyridoxal-phosphate dependent enzyme

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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