Tryptophan Synthase Beta Chain 2 (trpB2) Pyrococcus Kodakaraensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase beta chain 2 (trpB2), Recombinant Protein
Full Product Name	Recombinant Pyrococcus kodakaraensis Tryptophan synthase beta chain 2 (trpB2)
Product Gene Name	trpB2 recombinant protein
Product Synonym Gene Name	trpB2; TK1442
Product Synonym Names	Tryptophan synthase beta chain 2; EC=4.2.1.20
Sequence	MKAVLPDSKI PKRWYNILPD LPEPLAPPLD PETDEPMEPE KLLRIFAEEL VKQEMSTDRY IEIPKEVREI YSKIGRPTPL FRATNLERAL GTPARIYFKY EGATVTGSHK INTALAQAYY AKRQGIERLV TETGAGQWGT ALSLAGALLG LNVRVYMARA SYQQKPYRKT IMRLYGAEIY PSPSDRTEIG RKFLAEDPNH PGGLGIAISE AIEDVLRDEK ARYALGSVLN HVLMHQTVIG LEAQEQMKEF EEPDVIIGCV GGGSNFAGLA YPFVRDVLKG EAEYEFIAVE PKAAPSMTRG VYKYDYGDSG GYTPKMKMHT LGHTYYVPPI HAGGLRYHGL APTLSVLINH GIVKPVAYHQ NEVFQAAHLF AKTEGIVPAP ESAHAIKGAI DRALEAKREG REEVILFNLS GHGFLDLKGY EDYLDGKLED YEPEHFPALD NY
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	49,262 Da
Sequence Positions	1-442aa; 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 Q5JDJ1
Species	Pyrococcus kodakaraensis (strain BAA-918 / JCM 12380 / KOD1) (Thermococcus kodakaraensis (strain KOD1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpB2 recombinant protein	MBS1436239 is a recombinant protein targeting trpB2. Also known as Recombinant Pyrococcus kodakaraensis Tryptophan synthase beta chain 2 (trpB2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpB2 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 trpB2. It may not necessarily be applicable to this product.

NCBI GI #	57641377
NCBI GeneID	3233674

NCBI Accession #	YP_183855.1
UniProt Primary Accession #	Q5JDJ1
UniProt Related Accession #	Q5JDJ1
GenBank Nucleotide #	NC_006624.1
NCBI Official Full Name	tryptophan synthase subunit beta
NCBI Official Symbol	TK1442
UniProt Protein Name	Tryptophan synthase beta chain 2
Protein Family	Tryptophan synthase
UniProt Gene Name	trpB2
UniProt Entry Name	TRPB2_THEKO
NCBI Protein Information	tryptophan synthase subunit beta
UniProt Comments for trpB2	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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