Tryptophan Synthase Beta Chain (trpB) Rhizobium Etli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase beta chain (trpB), Recombinant Protein
Full Product Name	Recombinant Rhizobium etli Tryptophan synthase beta chain (trpB)
Product Gene Name	trpB recombinant protein
Product Synonym Gene Name	trpB
Sequence	MNETPKPNSF RSGPDEDGRF GIYGGRFVAE TLMPLILDLQ DEWNKAKSDP AFQAELKHLG AHYIGRPSPL YFAERLTAEL GGAKIYFKRE ELNHTGSHKI NNCIGQILLA KRMGKTRIIA ETGAGQHGVA SATVAARFGL PCVVYMGATD VERQAPNVFR MKLLGAEVKP VTAGSGTLKD AMNEALRDWV TNVEDTYYLI GTAAGPHPYP EMVRDFQSVI GAEAKEQMLA AEGRLPDLVV AAVGGGSNAI GIFHPFLDDS SVKIVGVEAG GKGLQGDEHC ASITAGSPGV LHGNRTYLLQ DGDGQIKEGH SISAGLDYPG IGPEHSWLSD IGRVDYVPIM DHEALEAFQT LTRLEGIIPA LEAAHAIAEV IKRAPKMGKD EIILMNLSGR GDKDIFTVGK ILGMGL
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	43,538 Da
Sequence Positions	1-406, 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 Q2KE82
Species	Rhizobium etli (strain CFN 42 / 51251)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpB recombinant protein	MBS1348021 is a recombinant protein targeting trpB. Also known as Recombinant Rhizobium etli 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 #	499742692
NCBI Accession #	WP_011423426.1
UniProt Primary Accession #	Q2KE82
UniProt Secondary Accession #	P56929

GenBank Nucleotide #	WP_011423426.1
NCBI Official Full Name	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. Essential for production of nod factors and establishment of symbiosis.
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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