Tryptophan Synthase Beta Chain (trpB) Deinococcus Radiodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase beta chain (trpB), Recombinant Protein
Full Product Name	Recombinant Deinococcus radiodurans Tryptophan synthase beta chain (trpB)
Product Gene Name	trpB recombinant protein
Product Synonym Gene Name	trpB; DR_0941
Product Synonym Names	Tryptophan synthase beta chain; EC=4.2.1.20
Sequence	MSTAKLGCPK LRIMPLSIPS FPLPDARGRY GRFGGRYVPE TLIPALDELE QAYEAAKQDP EFLDELDRLL REFVGRPNSL YLAERLTEHA GGAKIYLKRE DQNFTGAHKI NNCLAQALLA KRMGKQKIIA ETGAGQHGVA SATAAALLGL SCVVYMGEED MRRQSLNVFR MQLLGAEVRP VTSGTATLKD ATNEAIREWV TNVRDTFYIL GSVVGPHPYP AMVRDFQSVI GEEVKVQLQE KEGRSVPDAI VACVGGGSNA IGIFAPFAYL PEGERPRLIG TEAAGHGVDT GMHAASVAWG RVGVLHGSMM YLMNDDEGQI VPPHSISAGL DYPGIGPEHC YYSVMGMAEY VPVTDAQALE GLQLLTRLEG IIPALESAHA ISYAVQLARQ MKPEEIVVVN LSGRGDKDVT EVMRLLEQSE NKQAEGQEVK A
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	46,787 Da
Sequence Positions	1-431aa; 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 Q9RVT1
Species	Deinococcus radiodurans (strain 13939 / DSM 20539 / JCM 16871 / LMG 4051 / NBRC 15346 / NCIMB 9279 / R1 / VKM B-1422)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpB recombinant protein	MBS1389720 is a recombinant protein targeting trpB. Also known as Recombinant Deinococcus radiodurans 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 #	15805965
NCBI GeneID	1798645

NCBI Accession #	NP_294665.1
UniProt Primary Accession #	Q9RVT1
UniProt Related Accession #	Q9RVT1
GenBank Nucleotide #	NC_001263.1
NCBI Official Full Name	tryptophan synthase subunit beta
NCBI Official Symbol	DR_0941
UniProt Protein Name	Tryptophan synthase beta chain
Protein Family	Tryptophan synthase
UniProt Gene Name	trpB
UniProt Entry Name	TRPB_DEIRA
NCBI Protein Information	tryptophan synthase subunit beta
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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