Tryptophan--Trna Ligase (trpS) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan--tRNA ligase (trpS), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Tryptophan--tRNA ligase (trpS)
Product Gene Name	trpS recombinant protein
Sequence	MSTPTGSRRI FSGVQPTSDS LHLGNALGAV AQWVGLQDDH DAFFCVVDLH AITIPQDPEA LRRRTLITAA QYLALGIDPG RATIFVQSQV PAHTQLAWVL GCFTGFGQAS RMTQFKDKSA RQGSEATTVG LFTYPVLQAA DVLAYDTELV PVGEDQRQHL ELARDVAQRF NSRFPGTLVV PDVLIPKMTA KIYDLQDPTS KMSKSAGTDA GLINLLDDPA LSAKKIRSAV TDSERDIRYD PDVKPGVSNL LNIQSAVTGT DIDVLVDGYA GHGYGDLKKD TAEAVVEFVN PIQARVDELT ADPAELEAVL AAGAQRAHDV ASKTVQRVYD RLGFLL
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	36,272 Da
Sequence Positions	1-336, 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 P67591
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpS recombinant protein	MBS1223333 is a recombinant protein targeting trpS. Also known as Recombinant Mycobacterium bovis Tryptophan--tRNA ligase (trpS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpS 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 trpS. It may not necessarily be applicable to this product.

NCBI GI #	31794521
NCBI GeneID	1093742
NCBI Accession #	NP_857014.1
UniProt Primary Accession #	P67591
UniProt Secondary Accession #	O53386; A0A1R3Y445; X2BP70
GenBank Nucleotide #	NC_002945.3

NCBI Official Full Name	tryptophanyl-tRNA synthetase
UniProt Protein Name	Tryptophan--tRNA ligase
UniProt Synonym Protein Names	Tryptophanyl-tRNA synthetase
Protein Family	Tryptophan--tRNA ligase
UniProt Gene Name	trpS
UniProt Synonym Gene Names	TrpRS
UniProt Comments for trpS	Catalyzes the attachment of tryptophan to tRNA(Trp).
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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