Tryptophan--Trna Ligase (trpS) Gloeobacter Violaceus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan--tRNA ligase (trpS), Recombinant Protein
Full Product Name	Recombinant Gloeobacter violaceus Tryptophan--tRNA ligase (trpS)
Product Gene Name	trpS recombinant protein
Product Synonym Gene Name	trpS
Sequence	MPDDSTAPKR ILSGAQPTGQ LHLGNYLGAV RNWVSEQRQY DSYFCVVDLH ALTVPQEAAE LRAATRRTAA LYLACGIDPE RSTVFVQSHV SAHTELTWLF NCLTPINWLE RMIQFKEKAI KLGEEVGIGL FDYPVLQAAD ILLYEPHLVP VGEDQRQHLE LTRDIARRFN DRYGESLRVP EMLIRKEGAR VMSLQDGTSK MSKSDPSDLS RLNLLDAPEK LRDKIKRAKS DAVMGLKFDP ARPECTNLLT IYQLLSGESP EAVEARFADA GFGRFKPILA DLVIEYLRPI RERYDAIAGE SGYLEGILRE GALRASKVAG LTLERIRDRM GLLPPF
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	37,795 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 Q7NCG8
Species	Gloeobacter violaceus (strain PCC 7421)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpS recombinant protein	MBS1423243 is a recombinant protein targeting trpS. Also known as Recombinant Gloeobacter violaceus 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 #	37522580
NCBI GeneID	2601412
NCBI Accession #	NP_925957.1
UniProt Primary Accession #	Q7NCG8
UniProt Related Accession #	Q7NCG8

GenBank Nucleotide #	NC_005125.1
NCBI Official Full Name	tryptophanyl-tRNA synthetase
NCBI Official Symbol	trpS
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
NCBI Protein Information	tryptophanyl-tRNA synthetase
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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