Tryptophan Synthase Alpha Chain (trpA) Porphyra Purpurea Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase alpha chain (trpA), Recombinant Protein
Full Product Name	Recombinant Porphyra purpurea Tryptophan synthase alpha chain (trpA)
Product Gene Name	trpA recombinant protein
Sequence	MIINIHINFF MTTISSVFKK LDKQCALIPF ITAGDPDLVS TSKALKILDQ HGADIIELGL PYSDPLADGP IIQAASSRAL KQSINLNNIL DMVNITSSNI VAPIVLFTYY NPVLNLGINN FISAISRAGI KGLLIPDLPI EESDYIISVC KLFNIELIFL LSPTSSIERI NKIVEQAPGC IYLVSTTGVT GQKPELTGKL KRLTETIKKM TQKPIILGFG ISTAEQIKEI KGWNINGIVI GSAFVKRLSS DFPEEGLRKI KDFCTTAKSI IIS
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	29,835 Da
Sequence Positions	1-273, 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 P51382
Species	Porphyra purpurea
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpA recombinant protein	MBS1131750 is a recombinant protein targeting trpA. Also known as Recombinant Porphyra purpurea Tryptophan synthase alpha chain (trpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpA 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 trpA. It may not necessarily be applicable to this product.

NCBI GI #	11465848
NCBI GeneID	810022
NCBI Accession #	NP_053992.1
UniProt Primary Accession #	P51382
UniProt Related Accession #	P51382
GenBank Nucleotide #	NC_000925.1

NCBI Official Full Name	tryptophan synthase alpha subunit (chloroplast)
NCBI Official Symbol	trpA
UniProt Protein Name	Tryptophan synthase alpha chain
Protein Family	Tryptophan synthase
UniProt Gene Name	trpA
NCBI Protein Information	tryptophan synthase alpha subunit
UniProt Comments for trpA	The alpha subunit is responsible for the aldol cleavage of indoleglycerol phosphate to indole and glyceraldehyde 3-phosphate.
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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