Glutathione Synthetase (gshB) Nostoc Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutathione synthetase (gshB), Recombinant Protein
Full Product Name	Recombinant Nostoc sp. Glutathione synthetase (gshB)
Product Gene Name	gshB recombinant protein
Sequence	MKLAFIIDPI HQLDPCHDTS VALMEAAQIL GHEVWVTQAN WLSVVDSKAW AILQQVELVP VQLIDGRWVA ASPWYTLNTR SFSSLETMDA VFMRTDPPVN DAYLYATYVL DYVDQRKTLV INNPNGIRGA NEKMYALQFT KAIPETIVSA DKDFIRQFVE AKGATVLKPL GNKAGEGILF LQAGDRNFNS IVELSTQQGR LPVMVQTYLP EAKEGDKRII LLNGEPIGAL NRLASGSDFR NNMATGGTVA KTEITPREEE ICSQIAANLR QDGLIFVGID VIGGYLTEVN VTSPTGIREI DRLDGTRLAH QVIQWVEKNL QIQN
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	35,953 Da
Sequence Positions	1-324, 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 P45480
Species	Nostoc sp. (strain PCC 7120 / UTEX 2576)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gshB recombinant protein	MBS1253368 is a recombinant protein targeting gshB. Also known as Recombinant Nostoc sp. Glutathione synthetase (gshB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gshB 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 gshB. It may not necessarily be applicable to this product.

NCBI GI #	499307225
NCBI Accession #	WP_010998000.1
UniProt Primary Accession #	P45480
UniProt Secondary Accession #	Q43879
GenBank Nucleotide #	WP_010998000.1
NCBI Official Full Name	MULTISPECIES: glutathione synthetase

UniProt Protein Name	Glutathione synthetase
UniProt Synonym Protein Names	GSH synthetase
UniProt Gene Name	gshB
UniProt Synonym Gene Names	GSH-S; GSHase
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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