Glutathione Synthetase (gshB) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutathione synthetase (gshB), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis Glutathione synthetase (gshB)
Product Gene Name	gshB recombinant protein
Product Synonym Gene Name	gshB
Sequence	MIKLGIVMDP ISEINIKKDS SFAMLMAAQE RGYQLFYMEM ADLAIVNGVA MGNMRPLKVM NDANHWFELG EAKDTPLSEL NVVLMRKDPP FDTEYIYATY MLERAEEQGV LIVNKPQSLR DANEKLFTAW FSEFTPETIV TRDANRIRAF HQAKGDIILK PLDGMGGTSI FRVKQDDPNL GVIIETLTQY GNQYAMAQAF IPEITKGDKR ILVVDGEPVP YALARIPKKG ETRGNLAAGG SGVAQPLSDS DWKIARAIGP ELKKRGLIFV GLDVIGDKLT EINVTSPTCI REIQAAFDVD ITGMLFDAIE TRLGQ
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	34,962 Da
Sequence Positions	1-315, 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 Q8EIK8
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gshB recombinant protein	MBS1349740 is a recombinant protein targeting gshB. Also known as Recombinant Shewanella oneidensis 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 #	24372420
NCBI GeneID	1168680
NCBI Accession #	NP_716462.1
UniProt Primary Accession #	Q8EIK8
UniProt Related Accession #	Q8EIK8

GenBank Nucleotide #	NC_004347.2
NCBI Official Full Name	ATP-dependent glutathione synthetase GshB
NCBI Official Symbol	gshB
UniProt Protein Name	Glutathione synthetase
UniProt Synonym Protein Names	GSH synthetase
UniProt Gene Name	gshB
UniProt Synonym Gene Names	GSH-S; GSHase
NCBI Protein Information	ATP-dependent glutathione synthetase GshB
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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