2,3-Bisphosphoglycerate-Independent Phosphoglycerate Mutase (gpmI) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	2,3-bisphosphoglycerate-independent phosphoglycerate mutase (gpmI), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis 2,3-bisphosphoglycerate-independent phosphoglycerate mutase (gpmI), partial
Product Gene Name	gpmI recombinant protein
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	56,309 Da
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 P39773
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gpmI recombinant protein	MBS1258016 is a recombinant protein targeting gpmI. Also known as Recombinant Bacillus subtilis 2,3-bisphosphoglycerate-independent phosphoglycerate mutase (gpmI), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gpmI 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 gpmI. It may not necessarily be applicable to this product.

NCBI GI #	16080444
NCBI GeneID	938574
NCBI Accession #	NP_391271.1
UniProt Primary Accession #	P39773
UniProt Secondary Accession #	O32250
UniProt Related Accession #	P39773
GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
NCBI Official Symbol	pgm

UniProt Protein Name	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
UniProt Synonym Protein Names	Vegetative protein 107; VEG107
Protein Family	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
UniProt Gene Name	gpmI
UniProt Synonym Gene Names	VEG107
NCBI Protein Information	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
UniProt Comments for gpmI	Essential for rapid growth and for sporulation. Catalyzes the interconversion of 2-phosphoglycerate and 3-phosphoglycerate.
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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