2,3-Bisphosphoglycerate-Dependent Phosphoglycerate Mutase 1 (gpmA1) Nitrosospira Multiformis Recombinant Protein

PRODUCT OVERVIEW

Product Name	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase 1 (gpmA1), Recombinant Protein
Full Product Name	Recombinant Nitrosospira multiformis 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase 1 (gpmA1)
Product Gene Name	gpmA1 recombinant protein
Product Synonym Gene Name	gpmA1
Sequence	MTQLVLLRHG ESVSNRDGCF TGWGDAPLTP RGEREAEQAG NLLKKAGHKF DICFTSELSR ANDTLRIVLS VMGQDEPVVQ RNWRLNERHY GALEGINRWK AIRKYGFCPI LSSQCRFDAP PPPLDPADIR FPGNQACYAT IDPGELPLGE SMRQAFARML PYWQQTITPE IQRGKRVLIV AHKHILRGLI MQLDGLSIIQ LIKLSVATGR PLIYELDDNL HPIRHYYADT GLTGHTG
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	26,694 Da
Sequence Positions	1-237, 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 Q2YBZ1
Species	Nitrosospira multiformis (strain 25196 / NCIMB 11849)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gpmA1 recombinant protein	MBS1315143 is a recombinant protein targeting gpmA1. Also known as Recombinant Nitrosospira multiformis 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase 1 (gpmA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gpmA1 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 gpmA1. It may not necessarily be applicable to this product.

NCBI GI #	499699050
NCBI Accession #	WP_011379784.1
UniProt Primary Accession #	Q2YBZ1
GenBank Nucleotide #	WP_011379784.1

NCBI Official Full Name	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase
UniProt Protein Name	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase 1
Protein Family	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase
UniProt Gene Name	gpmA1
UniProt Synonym Gene Names	BPG-dependent PGAM 1; PGAM 1; Phosphoglyceromutase 1; dPGM 1
UniProt Comments for gpmA1	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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