2,3-Bisphosphoglycerate-Dependent Phosphoglycerate Mutase (gpmA) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (gpmA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (gpmA)
Product Gene Name	gpmA recombinant protein
Sequence	AVTKLVLVRH GESQWNKENR FTGWYDVDLS EKGVSEAKAA GKLLKEEGYS FDFAYTSVLK RAIHTLWNVL DELDQAWLPV EKSWKLNERH YGALQGLNKA ETAEKYGDEQ VKQWRRGFAV TPPELTKDDE RYPGHDPRYA KLSEKELPLT ESLALTIDRV IPYWNETILP RMKSGERVII AAHGNSLRAL VKYLDNMSEE EILELNIPTG VPLVYEFDEN FKPLKRYYLG NADEIAAKAA AVANQGKAK
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	28,556 Da
Sequence Positions	2-250, 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 P62707
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gpmA recombinant protein	MBS1202772 is a recombinant protein targeting gpmA. Also known as Recombinant Escherichia coli 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (gpmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gpmA 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 gpmA. It may not necessarily be applicable to this product.

NCBI GI #	16128723
NCBI GeneID	945068
NCBI Accession #	NP_415276.1
UniProt Primary Accession #	P62707
UniProt Secondary Accession #	P31217

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	phosphoglyceromutase 1
NCBI Official Symbol	gpmA
NCBI Official Synonym Symbols	ECK0744; gpm; JW0738
UniProt Protein Name	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase
Protein Family	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase
UniProt Gene Name	gpmA
UniProt Synonym Gene Names	dPGM
NCBI Protein Information	phosphoglyceromutase 1
NCBI Summary for gpmA	HT_Cmplx25_Cyt: [More information is available at EcoGene: EG11699]. Regulation has been described . [More information is available at EcoCyc: EG11699].
UniProt Comments for gpmA	Catalyzes the interconversion of 2-phosphoglycerate and 3-phosphoglycerate.
Research Articles on gpmA	**1.** N-terminus verified by Edman degradation on mature peptide
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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