2,3-Bisphosphoglycerate-Independent Phosphoglycerate Mutase 1 (apgM1) Methanothermobacter Thermautotrophicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	2,3-bisphosphoglycerate-independent phosphoglycerate mutase 1 (apgM1), Recombinant Protein
Full Product Name	Recombinant Methanothermobacter thermautotrophicus 2,3-bisphosphoglycerate-independent phosphoglycerate mutase 1 (apgM1)
Product Gene Name	apgM1 recombinant protein
Product Synonym Gene Name	apgM1; MTH_1591
Product Synonym Names	2,3-bisphosphoglycerate-independent phosphoglycerate mutase 1; BPG-independent PGAM 1; Phosphoglyceromutase 1; aPGAM 1; EC=5.4.2.1
Sequence	MKGVIMIIDG MADRPLEKLS GRTPLEAAST PNMDRIAESG INGIMDPIKP GVRAGSDTSH LSILGYDPYR VYTGRGPFEA AGVGLDVKPG DIAFRCNFAT ADEDMIITDR RAGRIRSGTS SIARTINSMT IEGFEDVEII FRESTGHRAV LVLRGPGLGD KVSDADPKVE GKPPKKIKAL DGSPESRKTA EVLNRIVKES YEILRDHPVN TGRIERGEAP ANIILPRGAG AVPHVEKFQE RYDLKAACIA ETGLIKGIGH LTGMDVIDVE GATGGIDTDL ESIKNAISSA IAADYDFLLI NIDGADEAGH DGDLEGKVRF IERVDSILGD LMGDDIYFIL TADHSTPVSV MDHTGDPVPI AITGPEVRVD DVTSFSERAA AAGGLCRIRG SDVMDILLDL MNKKEKFGA
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	43,778 Da
Sequence Positions	1-409aa; 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 O27628
Species	Methanothermobacter thermautotrophicus (strain 29096 / DSM 1053 / JCM 10044 / NBRC 100330 / Delta H) (Methanobacterium thermoautotrophicum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for apgM1 recombinant protein	MBS1238865 is a recombinant protein targeting apgM1. Also known as Recombinant Methanothermobacter thermautotrophicus 2,3-bisphosphoglycerate-independent phosphoglycerate mutase 1 (apgM1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of apgM1 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 apgM1. It may not necessarily be applicable to this product.

NCBI GI #	15679586
NCBI GeneID	1471860
NCBI Accession #	NP_276703.1
UniProt Primary Accession #	O27628
UniProt Related Accession #	O27628
GenBank Nucleotide #	NC_000916.1
NCBI Official Full Name	cofactor-independent phosphoglycerate mutase
NCBI Official Symbol	MTH1591
UniProt Protein Name	2,3-bisphosphoglycerate-independent phosphoglycerate mutase 1
Protein Family	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
UniProt Gene Name	apgM1
UniProt Synonym Gene Names	BPG-independent PGAM 1; Phosphoglyceromutase 1; aPGAM 1
UniProt Entry Name	APGM1_METTH
NCBI Protein Information	cofactor-independent phosphoglycerate mutase
UniProt Comments for apgM1	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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