Phosphoheptose Isomerase (gmhA) Geobacter Sulfurreducens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoheptose isomerase (gmhA), Recombinant Protein
Full Product Name	Recombinant Geobacter sulfurreducens Phosphoheptose isomerase (gmhA)
Product Gene Name	gmhA recombinant protein
Product Synonym Gene Name	gmhA
Sequence	MIDDITAQLR AGRQVLEALE RELAGRIASF AELLADSLAG GRKLLVMGNG GSAADAQHFA AEIVGRFKLE RRGLPAVALT TDTSILTAIG NDYGFDAIFR RQVEALADEG DVVVGISTSG NSRNVQEALL LARERGCRTI GLLGRDGGSI RDIVDLDLTV PSADTPRIQE GHITIIHIVC DLVEKRLFP
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	20,231 Da
Sequence Positions	1-189, 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 Q74BF4
Species	Geobacter sulfurreducens (strain 51573 / DSM 12127 / PCA)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gmhA recombinant protein	MBS1285444 is a recombinant protein targeting gmhA. Also known as Recombinant Geobacter sulfurreducens Phosphoheptose isomerase (gmhA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gmhA 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 gmhA. It may not necessarily be applicable to this product.

NCBI GI #	39997185
NCBI GeneID	2687876
NCBI Accession #	NP_953136.1
UniProt Primary Accession #	Q74BF4
UniProt Related Accession #	Q74BF4
GenBank Nucleotide #	NC_002939.5

NCBI Official Full Name	phosphoheptose isomerase
NCBI Official Symbol	gmhA
UniProt Protein Name	Phosphoheptose isomerase
UniProt Synonym Protein Names	Sedoheptulose 7-phosphate isomerase
Protein Family	Phosphoheptose isomerase
UniProt Gene Name	gmhA
NCBI Protein Information	phosphoheptose isomerase
UniProt Comments for gmhA	Catalyzes the isomerization of sedoheptulose 7-phosphate in D-glycero-D-manno-heptose 7-phosphate.
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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