Putative Glucose-6-Phosphate Isomerase 1 (pgiA1) Rhizobium Meliloti Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative glucose-6-phosphate isomerase 1 (pgiA1), Recombinant Protein
Full Product Name	Recombinant Rhizobium meliloti Putative glucose-6-phosphate isomerase 1 (pgiA1)
Product Gene Name	pgiA1 recombinant protein
Product Synonym Gene Name	pgiA1
Sequence	MTKLFEPAGC RVDLRTGAMS DATGAYQKRF RDLAGLYADE AAFSAMQETW NDTVVYEVSE FRPNERTGDL IFGVTRMLPG KVGEEYFVTR GHIHKQSDRP EIYYGQKGRG LMLLESPEGE VRVVAVDAQT VCYVPPYWIH RSVNIGGDEL VMLFCYPADS GQDYDCIAKA GGMRARIIDD GRGGWKQIDN PNWRMRDAAT VAALYGREKK EENA
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	24,049 Da
Sequence Positions	1-214, Full length
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 Q92MQ8
Species	Rhizobium meliloti (strain 1021) (Ensifer meliloti) (Sinorhizobium meliloti)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pgiA1 recombinant protein	MBS1328197 is a recombinant protein targeting pgiA1. Also known as Recombinant Rhizobium meliloti Putative glucose-6-phosphate isomerase 1 (pgiA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pgiA1 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 pgiA1. It may not necessarily be applicable to this product.

NCBI GI #	15966307
NCBI GeneID	1234222
NCBI Accession #	NP_386660.1
UniProt Primary Accession #	Q92MQ8

UniProt Related Accession #	Q92MQ8
GenBank Nucleotide #	NC_003047.1
NCBI Official Full Name	glucose-6-phosphate isomerase
NCBI Official Symbol	SMc02042
UniProt Protein Name	Putative glucose-6-phosphate isomerase 1
UniProt Synonym Protein Names	Phosphoglucose isomerase 1; PGI 1; Phosphohexose isomerase 1; PHI 1
Protein Family	Putative glucose-6-phosphate isomerase
UniProt Gene Name	pgiA1
UniProt Synonym Gene Names	GPI 1; PGI 1; PHI 1
NCBI Protein Information	glucose-6-phosphate isomerase
UniProt Comments for pgiA1	MiscellaneousR.meliloti has a classic glucose-6-phosphate isomerase (AC Q92SC4) and two archaeal-type glucose-6-phosphate isomerases.
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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