Glucose-6-Phosphate Isomerase (pgi) Streptococcus Pyogenes Serotype M2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glucose-6-phosphate isomerase (pgi), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M2 Glucose-6-phosphate isomerase (pgi)
Product Gene Name	pgi recombinant protein
Product Synonym Gene Name	pgi
Sequence	MSHITFDYSK VLESFAGQHE IDFLQGQVTE ADKLLREGTG PGSDFLGWLD LPENYDKEEF ARILTAAEKI KADSEVLVVI GIGGSYLGAK AAIDFLNHHF ANLQTAKERK APQILYAGNS ISSTYLADLV EYVQDKEFSV NVISKSGTTT EPAIAFRVFK ELLVKKYGQE EANKRIYATT DKVKGAVKVE ADANNWETFV VPDNVGGRFS VLTAVGLLPI AASGADITAL MEGANAAHKD LSSDKISENI AYQYAAVRNV LYRKGYITEI LANYEPSLQY FGEWWKQLAG ESEGKDQKGI YPTSANFSTD LHSLGQFIQE GYRNLFETVI RVDNPRKNVI IPELAEDLDG LGYLQGKDVD FVNKKATDGV LLAHTDGGVP NMFVTLPAQD EFTLGYTIYF FELAIAVSGY MNAVNPFDQP GVEAYKRNMF ALLGKPGFEA LSAELNARL
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	49,448 Da
Sequence Positions	1-449, 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 Q1JIS1
Species	Streptococcus pyogenes serotype M2 (strain MGAS10270)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pgi recombinant protein	MBS1332196 is a recombinant protein targeting pgi. Also known as Recombinant Streptococcus pyogenes serotype M2 Glucose-6-phosphate isomerase (pgi). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pgi 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 pgi. It may not necessarily be applicable to this product.

NCBI GI #	527103599
NCBI Accession #	WP_020904877.1
UniProt Primary Accession #	Q1JIS1

GenBank Nucleotide #	WP_020904877.1
NCBI Official Full Name	glucose-6-phosphate isomerase
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Synonym Protein Names	Phosphoglucose isomerase
Protein Family	Glucose-6-phosphate isomerase
UniProt Gene Name	pgi
UniProt Synonym Gene Names	GPI; PGI; PHI
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