

Glucose-6-phosphate isomerase (Gpi) Recombinant Protein | Gpi recombinant protein

Recombinant Rat Glucose-6-phosphate isomerase (Gpi)

CATALOG #
AAA117395

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Glucose-6-phosphate isomerase (Gpi); Recombinant Rat Glucose-6-phosphate isomerase (Gpi); Gpi recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-558aa; Full Length of Mature Protein
Sequence	AALTRNPEFQ KLEWHRANS ANLKLRELFE ADPERFNHFS LNLNTNHGHI LLDYSKNLVN KEVLHMLVDL AKSRGVEAAR DNMFSGLKIN STEDRAVLHV ALRNRNRSI MMDGKDVMPE VNKVLDKMKs FCQVRVSGDW KGYTGKAITD IINIGIGGSD LGPLMVTEAL KPYSKGGPRV WfVSNIDGTH IAKTLANLNP ESSLFIIASK TFFTQETITN AETAKEWFLQ AAKDPSAVAK HFVALSTNTD KVKEFGIDPK NMFEFWDWVG GRYSLWSAIG LSIALHVGFD HFEQLLSGAH WMDQHFMKTP LDKNAPVLLA LLGIWYINFY GCETHAMLPY DQYMHRAAY FQQGDMESNG KYITKSGARV DYQTGPIVWG EPGTNGQHAF YQLIHQGTKM IPCDFLIPVQ TQHPINRGLH HKILLANFLA QTEALMKGKS PEEARKELQA AGKSPEELEK LLPHKVFEGN RPTNSIVFTK LTPFILGALI AMYEHKIFVQ GIIWDINSFD QWGVELGKQL AKKIEPELDG SSAVTSHDSS TNGLIGFIKL QRDTKID
Species	Rat
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.

ADDITIONAL INFORMATION

Related Product Information for Gpi recombinant protein

This gene belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways. This protein is a dimeric enzyme that catalyzes the reversible isomerization of glucose-6-phosphate and fructose-6-phosphate. The protein functions in different capacities inside and outside the cell. In the cytoplasm, the gene product is involved in glycolysis and gluconeogenesis, while outside the cell it functions as a neurotrophic factor for spinal and sensory neurons. Defects in this gene are the cause of nonspherocytic hemolytic anemia and a severe enzyme deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46485440
NCBI GeneID	292804
NCBI Accession #	NP_997475.1
NCBI GenBank Nucleotide #	NM_207592.1
UniProt Accession #	Q6P6V0
Molecular Weight	62,827 Da
NCBI Official Full Name	glucose-6-phosphate isomerase

NCBI Official Synonym Full Names	glucose-6-phosphate isomerase
NCBI Official Symbol	Gpi
NCBI Official Synonym Symbols	Amf; Nlk; Pgi; Phi; Gpi1
NCBI Protein Information	glucose-6-phosphate isomerase
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Gene Name	Gpi
UniProt Synonym Gene Names	PHI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gpi-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117395>