

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

Recombinant Human Glucose-6-phosphate isomerase (GPI)

CATALOG # AAA113932	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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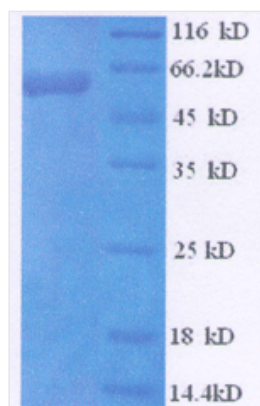
PRODUCT SYNONYMS

Glucose-6-phosphate isomerase (GPI); Recombinant Human 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	2-558, Full length protein
Sequence	AALTRDPQFQ KLQQWYREHR SELNLRRLFD ANKDRFNHFS LTLNTNHGHI LVDYSKNLVT EDVMRMLVDL AKSRGVEAAR ERMFNGEKIN YTEGRAVLHV ALNRNSNTPI LVDGKDVMP E VNKVLDKMKS FCQVRVSGDW KGYTGKTITD VINIGIGGSD LGPLMVTEAL KPYSSGGPRV WYVSNIDGTH IAKTLAQLNP ESSLFIIASK TFFTQETITN AETAKEWFLQ AAKDPSAVAK HFVALSTNTT KVKEFGIDPQ NMFEFWDWVG GRYSLSAIG LSIALHVGFD NFEQLLSGAH WMDQHFRTPP LEKNAPVLLA LLGIWYINCF GCETHAMLPY DQYLHRFAAY FQQGDMESNG KYITKSGTRV DHQTGPVWVG EPGTNGQHAF YQLIHQGTKM IPCDFLIPVQ TQHPKRGHL HKILLANFLA QTEALMRGKS TEEARKELQA AGKSPEDLER LLPHKVFEGN RPTNSIVFTK LTPFMLGALV AMYEHKIFVQ GIIWDINSFD QWGVELGKQL AKKIEPELDG SAQVTSHDAS TNGLINFIKQ QREARVQ
Sequence Length	557
Species	Human
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.

IMAGES



SDS-PAGE

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18201905
NCBI GeneID	2821
NCBI Accession #	NP_000166.2
NCBI GenBank Nucleotide #	NM_000175.4
UniProt Accession #	P06744; Q9BRD3; Q9BSK5; Q9UHE6; B4DG39
Molecular Weight	64,325 Da
NCBI Official Full Name	glucose-6-phosphate isomerase isoform 2
NCBI Official Synonym Full Names	glucose-6-phosphate isomerase
NCBI Official Symbol	GPI
NCBI Official Synonym Symbols	AMF; NLK; PGI; PHI; GNPI; SA36; SA-36
NCBI Protein Information	glucose-6-phosphate isomerase
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Gene Name	GPI
UniProt Synonym Gene Names	GPI; AMF; NLK; PGI; PHI; SA-36

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.