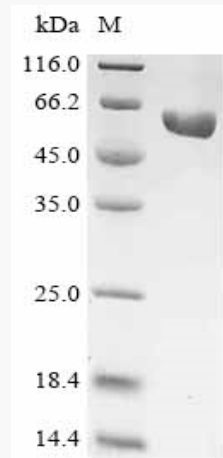


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Datasheet

Product Name	Recombinant Human Glucose-6-phosphate isomerase(GPI),partial
Catalog Number	AAA15945
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4. The volume before lyophilization is 1000 μl/vial, 2 vials.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	In the cytoplasm, catalyzes the conversion of glucose-6-phosphate to fructose-6-phosphate, the second step in glycolysis, and the reverse reaction during gluconeogenesis. Besides its role as a glycolytic enzyme, also acts as a secreted cytokine: acts as an angiogenic factor (AMF) that stimulates endothelial cell motility. Acts as a neurotrophic factor, neuroleukin, for spinal and sensory neurons. It is secreted by lectin-stimulated T-cells and induces immunoglobulin secretion.
AA sequence	AALTRDPQFQKLQQWYREHRSELNLRRLFDANKDRFNHFSLTNTNHHILVD YSKNLVTEDVMRMLVDLAKSRGVEAARERMFNGEKINYTEGRAVLHVALRNR SNTPILVGKDVMPENVKVLDKMKSFCQVRVSGDWKGYTGKTITDVINIGIGGS DLGPLMVTEALKPYSSGGPRVWYVSNIDGTHIAKTLAQLNPESLFIASKTFTT QETITNAETAKEWFLQAAKDPSAVAKHFVALSTNTTKVKEFGIDPQNMFEFWD WVGGRYSLSAIGLSIALHVGFDNFEQLLSGAHWMDQHFRTPLEKNAPVLLA LLGIWYINCFGCETHAMLPYDQYLHRFAAYFQQGDMESNGKYITKSGTRVDHQ TGPIVWGEPGTNGQHAFYQLHQGTMIPCDFLIPVQTQHPHGLHHKILLANF LAQTEALMRGKSTEEARKELQAAGKSPEDLERLLPHKVFEGNRPTNSIVFTKLT PFMLGALVAMYEHKIFVQGIWDINSFDQWGVELGKQLAKKIEPELDGSAQVTS HDASTNGLINFIKQORE

Certificate of Analysis

Product Name	Recombinant Human Glucose-6-phosphate isomerase(GPI),partial		
Catalog Number	MBS719369		
Expression host	E.coli		
Product Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from a 0.2 μ m sterile filtered PBS, 6% Trehalose, pH 7.4. The volume before lyophilization is 1000 μ l/vial,2 vials.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DC05420k1g0		
Nature	Human GPI-(AA 2-554)-P06744-Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 ℃, one week from the date of receipt	
	Long term	-20 to -80 ℃, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2023.09.08		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		98%
Molecular Weight	Predicted band size: 66.6 kDa		Observed band size: 65 kDa

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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Lyophilized protein has been sterile filtered prior to lyophilization. However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein. Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution. Customers could use it as reference.
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass