

Glucose-6-Phosphate Isomerase Human Recombinant

Item Number	rAP-1222
Synonyms	Glucose-6-phosphate isomerase, Phosphoglucose isomerase, Phosphohexose isomerase, Autocrine motility factor, Neuroleukin, Sperm antigen 36, GPI, PGI, PHI, AMF, NLK, SA-36, GNPI.
Description	GPI Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 578 amino acids (1-558 a.a.) and having a molecular mass of 65.3kDa. The GPI is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P06744
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAALTRDPQF QKLQQWYREH RSELNLRRLF DANKDRFNHF SLTLNT-NHGH ILVDYSKNLV TEDVMRMLVD LAKSRGVEAA RERMFNGEKI NYTEGRAVLH VALRNRSNTP ILVDGKDVMP EVNKVLDKMK SFCQVRVSGD WKGYTGKTIT DVINIGIGGS DLGPLMVTEA LKPYSSGGPR VWYVSNIDGT HIAKTLAQLN PESSLFIAS KFTTTQETIT NAETAKEWFL QAAKDPSAVA KHFFVALSTNT TKVKEFGIDP QNMFEEFDWV GGRYSLWSAI GLSIALHVGF DNFEQLLSGA HWMDQHFRTT PLEKNAPVLL ALLGIWYINC FGCETHAMLP YDQYLHRFAA YFQQGDMESN GKY-ITKSGTR VDHQTGPVW GEPGTNGQHA FYQLIHQGTK MIPCDFLIPV QTQHPKIRKGL HHKILLANFL AQTEALMRGK STEEARKEKELQ AAGKSPEDLE RLLPHKVFEG NRPTNSIVFT KLTPFMLGAL VAMYEH-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The GPI solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**