

Recombinant human Glucose-6-phosphate isomerase

Catalog No: #AP71659



Package Size: #AP71659-1 20ug #AP71659-2 100ug #AP71659-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Glucose-6-phosphate isomerase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-554aaSequence Info:Partial
Other Names	Autocrine motility factor ;AMFNeuroleukin ;NLKPhosphoglucose isomerase ;PGIPhosphohexose isomerase ;PHISperm antigen 36 ;SA-36
Accession No.	P06744
Uniprot	P06744
GeneID	2821;
Calculated MW	66.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AALTRDPQFQKLQQWYREHRSELNLRRLFDANKDRFNHFSLTLNTNHGHILVDYSKNLVTEDVMRMLVDLAK SRGVEAARERMFNGEKINYTEGRAVLHVALRNRNTPILVDGKDVMPVENKVLDMKSFQQRVRSQDQWKG TGKTITDVINIGIGGSDLGPLMVTEALPKPYSSGGPRVWVYSNIDGTHIAKTLAQLNPESLFIASKTFTTQETITN AETAKEWFLQAAKDPSAVAKHFVALSTNTTKVKEFGIDPQNMFEFWDWVGGRYSLSWAIGLSIALHVGFDNF EQLLSGAHWMDQHFRITPLEKNAPVLLALLGIWYINCFGCETHAMLPYDQYLHRFAAYFQQGDMESNGKYIT KSGTRVDHQTGPIVWGEPTNGQHAFYQLIHQGTKMIPCDFLIPVQTQHPIRKLHKKILLANFLAQTEALMRG KSTEEARKELQAAGKSPEDLERLLPHKVFEGNRPTNSIVFTKLPFMLGALVAMYEHKIFVQGIWDINSFDQW GVELGKQLAKKIEPELDGSAQVTSHDASTNGLINFIKQRE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Besides its role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons.

References

Gurney M.E.Cloning of a glucose phosphate isomerase,neuroleukin-like sperm antigen involved in sperm agglutination.Yakirevich E., Naot Y.Biol. Reprod. 62:1016-1023(2000)Research Topic:Signal Transduction

Note: This product is for in vitro research use only