



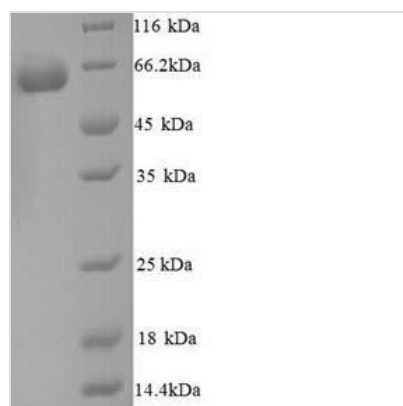
Recombinant Mouse Glucose-6-phosphate isomerase (Gpi)

Product Code	CSB-YP009717MO
Relevance	Besides it's 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.
Abbreviation	Recombinant Mouse Gpi protein
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.
Uniprot No.	P06745
Alias	Autocrine motility factor ;AMFNeuroleukin ;NLKPhosphoglucose isomerase ;PGIPhosphohexose isomerase ;PHI
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	AALTRNPQFQKLEWHRANSANLKLRELFADPERFNNFSLNLTNHHGHILVD YSKNLVNKEVMQMLVELAKSRGVEAARDNMFSGSKINYTENRAVLHVALRNR SNTPIKVDGKDVMPEVNRVLDKMKSFQQRVRSQDWKGYTGKSITDIINIGIGGS DLGPLMVTEALPKPYSKGGPRVWFVSNIDGTHIAKTLASLSPETSLFIIASKTFTT QETITNAETAKEWFLEAAKDPSAVAKHFVALSTNTAKVKEFGIDPQNMFEFWD WVGGRYSLWSAIGLSIALHVGFDHFEQLLSGAHWMDQHFLKTPLEKNAPVLLA LLGIWYINCYGCETHALLPYDQYMHRFAAYFQQGDMESNGKYITKSGARVDH QTGPVWGEPTNGQHAFYQLIHQGTGMIPCDFLIPVQTQHPHPIRGLHHKILLA NFLAQTEALMKGKLPEEARKELQAAGKSPEDLEKLLPHKVFEGNRPTNSIVFT KLTPFILGALIAMYEHKIFVQGMWDINSFDQWGVELGKQLAKKIEPELEGSSAV TSHDSSTNGLISFIKQQRDTKLE
Research Area	Others
Source	Yeast
Target Names	Gpi
Protein Names	Recommended name: Glucose-6-phosphate isomerase Short name= GPI EC= 5.3.1.9 Alternative name(s): Autocrine motility factor Short name= AMF Neuroleukin Short name= NLK Phosphoglucose isomerase Short name=
Expression Region	2-558aa

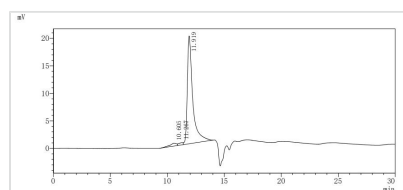


Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	64.6kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



The purity of Gpi was greater than 95% as determined by SEC-HPLC

Description

Advance your metabolic research with our Recombinant Mouse Gpi, also known as Glucose-6-phosphate isomerase. This protein, recombinantly expressed in yeast, is a vital component in studies of carbohydrate metabolism and energy production pathways.

Our Gpi is a full-length mature protein (2-558aa), offering a comprehensive view of its function and structure. It is expressed with a N-terminal 6xHis-tag, ensuring efficient purification and reliable stability. With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Mouse Gpi meets the rigorous requirements of precise scientific research. Opt for either the liquid form for immediate use or the lyophilized powder for long-term storage, suiting your research needs.

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.