



Recombinant Mouse Glucose-6-phosphate isomerase (Gpi)

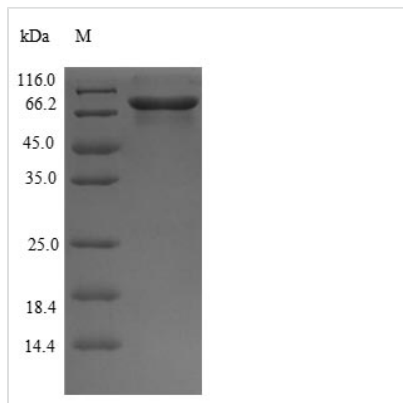
Product Code	CSB-EP009717MO
Relevance	Besides its role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons.
Abbreviation	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
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	AALTRNPQFQKLEWHRANSANLKLRELFADPERFNNFSLNLTNHHGILVD YSKNLVNKEVMQMLVELAKSRGVEAARDNMFSGSKINYTENRAVLHVALRNR SNTPIKVDGKDVMPENRVLDMKSFQVRSGDWKGYTGKSITDIINIGIGGS DLGPLMVTEALPKPYSKGGPRVWFVSNIDGTHIAKTLASLSPETSLFIIASKTFTT QETITNAETAKEWFLEAAKDPSAVAKHFVALSTNTAKVKEFGIDPQNMFEFWD WVGGRYSLWSAIGLSIALHVGFDFHFEQLLSGAHWMDQHFLKTPLEKNAPVLLA LLGIWYINCYGCETHALLPYDQYMHRFAAYFQQGDMESNGKYITKSGARVDH QTGPIVWGEPTNGQHAFYQLIHQGTKMIPCDFLIPVQTQHPIRKGLHHKILLA NFLAQTEALMKGKLP EEARKELQAAGKSPEDLEKLLPHKVFEGNRPTNSIVFT KLTPFILGALIAMYEHKIFVQGIMWDINSFDQWGVELGKQLAKKIEPELEGSSAV TSHDSSTNGLISFIKQQRDTKLE
Research Area	Neuroscience
Source	E.coli
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-B2M-tagged


Mol. Weight

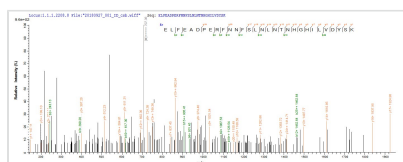
76.6kDa

Protein Length

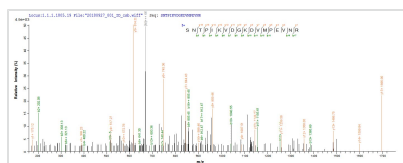
Full Length of Mature Protein

Image


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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP009717MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Gpi.



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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

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