

Recombinant Human GPI Protein, GST-tagged

Cat. No. GPI-3928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPI Protein (Ala2-Gln558) is produced by E. Coli expression system. This protein is fused with a GST tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Ala2-Gln558
Description	Glucose-6-phosphate isomerase (GPI), is also known as Autocrine motility factor (AMF), Neuroleukin (NLK), Phosphoglucose isomerase (PGI), Phosphohexose isomerase (PHI), Sperm antigen 36 (SA-36). GPI belongs to the GPI family. GPI is homodimer in the catalytically active form and is monomer in the secreted form. GPI can catalyze D-glucose 6-phosphate to be D-fructose 6-phosphate. 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.
Form	Protein in [50 mM Tris, pH7.5 with 10 mM GSH, 1 mM EDTA] was 0.22 um filtered before lyophilized. Usually protectant (mannitol or trehalose) was added before lyophilization.
Molecular Mass	86.8 kDa
Endotoxin	< 1.0 EU/ug by LAL method

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Purity	>95% as determined by SDS-PAGE
Notes	All products are For Research Use Only, and not for diagnostic or therapeutic purposes.
Storage	Lyophilized form is stable at room temperature for 3 weeks. Keep at -20 centigrade for long term storage. After reconstitution, store at 4 centigrade for 2-7 days or at below -20 centigrade for up to 3 months.
Reconstitution	Reconstitute lyophilized powder with water to no less than 100 ug/ml, solubilize at RT for 30 min with occasional gentle mixing. It is recommended that 0.1% HSA (SDP1139) be added as a carrier protein for long term storage.
Shipping	Ship at ambient conditions

GENE INFORMATION

Gene Name	GPI glucose-6-phosphate isomerase [Homo sapiens]
Official Symbol	GPI
Synonyms	GPI; AMF; NLK; neuroleukin; oxoisomerase; sperm antigen 36; sperm antigen-36; phosphohexomutase; phosphosaccharomutase; PGI; PHI; GNPI; SA36; SA-36; DKFZp686C13233;
Gene ID	2821
mRNA Refseq	NM_000175
Protein Refseq	NP_000166

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MIM	172400
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UniProt ID	P06744
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