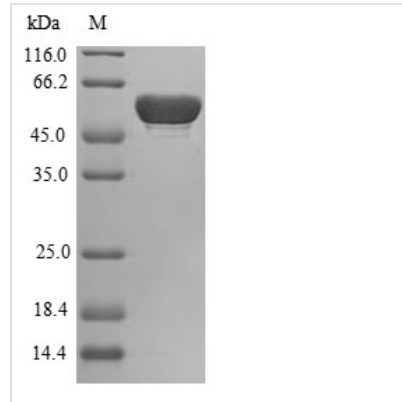




# Recombinant Human Bisphosphoglycerate mutase (BPGM)

<b>Product Code</b>	CSB-EP002781HU
<b>Relevance</b>	Plays a major role in regulating hemoglobin oxygen affinity by controlling the levels of its allosteric effector 2,3-bisphosphoglycerate (2,3-BPG). Also exhibits mutase (EC 5.4.2.1) activity.
<b>Abbreviation</b>	Recombinant Human BPGM protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P07738
<b>Alias</b>	2,3-bisphosphoglycerate mutase, erythrocyte 2,3-bisphosphoglycerate synthase 2,3-diphosphoglycerate mutase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	SKYKLIMLRHGEGAWNKENRFCSWVDQKLNSEGMEEARNCGKQLKALNFEF DLVFTSVLNRSIHTAWLILEELGQEWVPVESSWRLNERHYGALIGLNREQMAL NHGEEQVRLWRRSYNVTPPPIEESHYPYQEIYNDRRYKVCDVPLDQLPRSES LKDVLERLLPYWNERIAPEVLRGKTKILISAHGNSSRALLKHLEGISDEDEDIINITLPT GVPILLELDENLRAVGPHQFLGDQEAIAIKKVEDQGKVKQAKK
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	BPGM
<b>Protein Names</b>	Recommended name: Bisphosphoglycerate mutase Short name= BPGM EC= 5.4.2.4 Alternative name(s): 2,3-bisphosphoglycerate mutase, erythrocyte 2,3-bisphosphoglycerate synthase EC= 3.1.3.13 EC= 5.4.2.1 2,3-diphosphog
<b>Expression Region</b>	1-259aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	56.9kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

### 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.