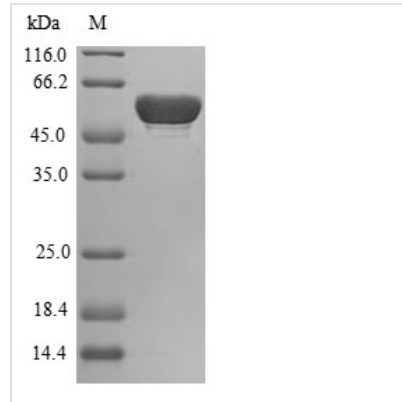




Recombinant Human Bisphosphoglycerate mutase (BPGM)

Product Code	CSB-EP002781HU
Relevance	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.
Abbreviation	Recombinant Human BPGM 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.	P07738
Alias	2,3-bisphosphoglycerate mutase, erythrocyte 2,3-bisphosphoglycerate synthase 2,3-diphosphoglycerate mutase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SKYKLIMLRHGEGAWNKENRFCSWVDQKLNSEGMEEARNCGKQLKALNFEF DLVFTSVLNRSIHTAWLILEELGQEWVPVESSWRLNERHYGALIGLNREQMAL NHGEEQVRLWRRSYNVTPPPIEESHPPYYQEIYNDRRYKVCDVPLDQLPRSES LKDVLERLLPYWNERIAPEVLRGKTKILISAHGNSSRALLKHLEGISDEDEDIINITLPT GVPILLELDENLRAVGPHQFLGDQEAIAIKKVEDQGKVKQAKK
Research Area	Signal Transduction
Source	E.coli
Target Names	BPGM
Protein Names	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
Expression Region	1-259aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	56.9kDa
Protein Length	Full Length
Image	



(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.