



# Recombinant human Multiple inositol polyphosphate phosphatase 1 (MINPP1)

<b>Product Code</b>	CSB-YP891977HU
<b>Relevance</b>	Acts as a phosphoinositide 5- and phosphoinositide 6-phosphatase and regulates cellular levels of inositol pentakisphosphate (InsP5) and inositol hexakisphosphate (InsP6). Also acts as a 2,3-bisphosphoglycerate 3-phosphatase, by mediating the dephosphorylation of 2,3-bisphosphoglycerate (2,3-BPG) to produce phospho-D-glycerate without formation of 3-phosphoglycerate. May play a role in bone development (endochondral ossification).
<b>Abbreviation</b>	Recombinant Human MINPP1 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>	Q9UNW1
<b>Alias</b>	2,3-bisphosphoglycerate 3-phosphatase (EC:3.1.3.80) ;2,3-BPG phosphataseInositol (1,3,4,5)-tetrakisphosphate 3-phosphatase ;Ins(1,3,4,5)P(4) 3-phosphatase
<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>	SLLEPRDPVASSLSPYFGTKTRYEDVNPVLLSGPEAPWRDPELLEGTCTPVQL VALIRHGTRYPTVKQIRKLRQLHGLLQARGSRDGGASSTGSRDLGAALADWPL WYADWMDGQLVEKGRQDMRQLALRLASLFPALFSRENYGRLRLITSSKHRC MDSSAAFLLQGLWQHYHPGLPPPVDADMEFGPPTVNDKLMRFFDHCEKFLTE VEKNATALYHVEAFKTGPEMQNILKKVAATLQVPVNDLNADLIQVAFFTCSDL AIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGYTINSRSSCTLFQDIFQ HLDKAVEQKQRSQPISPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNYKKQM HRKFRSGLIVPYASNLI FVLYHCENAKTPKEQFRVQMLLNEKVLPLAYSQETVS FYEDLKNHYKDILQSCQTSEECELARANSTSDEL
<b>Research Area</b>	Signal Transduction
<b>Source</b>	Yeast
<b>Target Names</b>	MINPP1
<b>Protein Names</b>	Recommended name: Multiple inositol polyphosphate phosphatase 1 EC= 3.1.3.62 Alternative name(s): 2,3-bisphosphoglycerate 3-phosphatase Short name= 2,3-BPG phosphatase EC= 3.1.3.80 Inositol (1,3,4,5)-tetrakisphosphate 3-ph
<b>Expression Region</b>	31-487aa



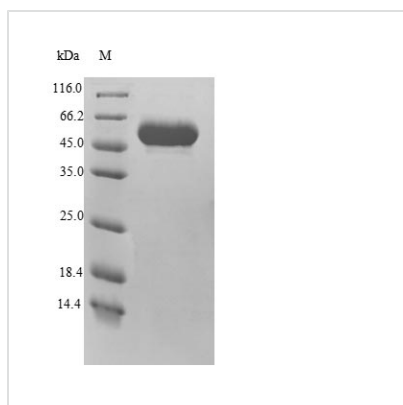
**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 54.1kDa

**Protein Length** Full Length of Mature Protein

### 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

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