



Recombinant Rat Multiple inositol polyphosphate phosphatase 1 (Minpp1)

Product Code	CSB-YP013831RA
Relevance	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).
Abbreviation	Recombinant Rat Minpp1 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.	O35217
Alias	2,3-bisphosphoglycerate 3-phosphatase (EC:3.1.3.80) ;2,3-BPG phosphatase;inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase ;Ins(1,3,4,5)P(4) 3-phosphatase
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SLPGRGDPVASVLSPLYFGTKTRYEDVNPWLLGDPVAPRRDPELLAGTCTPVQ LVALIRHGTRYPTTKQIRKLRQLQGLLQTRESVDGGSRVAAALDQWPLWYDD WMDGQLVEKGRQDMRQLALRLAALFPDLFCRENYGRLRLITSSKHRCVDSSA AFLQGLWQHYHPGLPPPVDSDMECDPPRVNDKLMRFFDHCEKFLTEVERNA TALYHVEAFKTGPEMQTVLKKVAATLQVPVNNLNADLIQVAFFTCSDLAIQGV HSPWCDVFDVDDAKVLEYLNDLKQYWKRSGYAINSRSSCNLFQDIFLHLDKA VEQKQRSQPVSSSVILQFGHAETLLPLLSLMGYFKDKEPLTAYNFEEQVHREF RSGHIVPYASNLIFVLYHCEDAQTPQEKFQIQMLLNEKVLPLAHSQKTVALYED LKNHYQDILQSCQTSKECNLPKVNITSDEL
Research Area	Others
Source	Yeast
Target Names	Minpp1
Protein Names	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
Expression Region	31-481aa



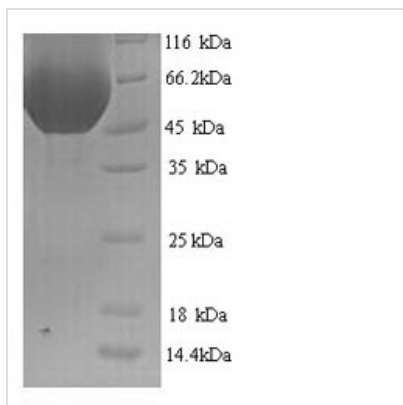
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal 6xHis-tagged

Mol. Weight 53.6kDa

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 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.