Product Name: Recombinant Human MINPP1 (C-6His)
Catalog #: PHH1165

Summary

Name	MINPP1/MIPP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Multiple Inositol Polyphosphate Phosphatase 1 is produced by our Mammalian expression system and the target gene encoding Ser31-Leu487 is expressed with a 6His tag at the C-terminus.
Accession #	Q9UNW1
Host	Human Cells
Species	Human
Predicted Molecular Mass	53.14 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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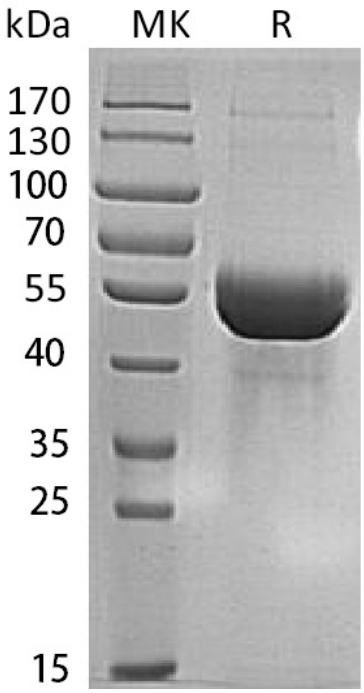

Alternative Names

Multiple Inositol Polyphosphate Phosphatase 1; 2;3-Bisphosphoglycerate 3-Phosphatase; 2;3-BPG Phosphatase; Inositol (1;3;4;5)-Tetrakisphosphate 3-Phosphatase; Ins(1;3;4;5)P(4) 3-Phosphatase; MINPP1; MIPP

Background

Multiple Inositol Polyphosphate Phosphatase 1/MINPP1 is an enzyme that removes 3-phosphate from inositol phosphate substrates. MINPP1 also converts 2,3 bisphosphoglycerate (2,3-BPG) to 2-phosphoglycerate. MINPP1 is synthesized as a 487 amino acid precursor that contains an 30 amino acid signal peptide and a 457 amino aicd mature chain. MINPP1 is widely expressed with the highest levels found in kidney, liver and placenta. It acts as a phosphoinositide 5- and phosphoinositide 6-phosphatase and regulates cellular levels of inositol pentakisphosphate (InsP5) and inositol hexakisphosphate (InsP6). MINPP1 may play a role in bone development (endochondral ossification).

Note

For Research Use Only , Not for Diagnostic Use.