

32-7476: Recombinant Human Multiple Inositol Polyphosphate Phosphatase 1/MINPP1 (C-6His)(Discontinued)

Gene : MINPP1
Gene ID : 9562
Uniprot ID : Q9UNW1

Description

Source: Human Cells.

MW :53.14kD.

Recombinant Human MINPP1 is produced by our Mammalian expression system and the target gene encoding Ser31-Leu487 is expressed with a 6His tag at the C-terminus. 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 acid 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).

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : SLLEPRDPVASSLSPLYFGTKTRYEDVNPVLLSGPEAPWRDPELLEGTCTPVQLVALIRHGTRYPTVKQIRKLRQL
HGLLQARGSRDGGASSTGSRDLGAALADWPLWYADWMDGQLVEKGRQDMRQLALRLASLFPALFSRENYG
RLRLITSSKHRCMDSSAFLQGLWQHYHPGLPPPVDADMEFGPPTVNDKLMRFFDHCEKFLTEVEKNATALYH
VEAFKTGPEMQNILKKVAATLQVPVNDLNADLIQVAFFTCSEFDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQY
WKRGYGYTINSRSSCTLFQDIFQHLDKAVEQKQRSQPISSPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNYKK
QMHRKFRSGLIVPYASNLIQVLYHCENAKTPKEQFRVQMLLNEKVLPLAYSQETVSFYEDLKNHYKDILQSCQTS
EECELARANSTSDELVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.