

Recombinant Human Multiple Inositol Polyphosphate Phosphatase 1/MINPP1 Protein(C-6His)

Cat.NO.: TP04908

3th Edition

Synonyms: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

Description: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).

Form:PBS

Molecular Weight:53.1 kDa

Sequences:Ser31-Leu487

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.