Datasheet for ABIN7318790

MINPP1 Protein (His tag)

Overview

Quantity:	50 μg
Target:	MINPP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MINPP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MINPP1 Protein (His Tag)
Sequence:	Ser31-Leu487
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μg as determined by the LAL method.

Target Details

Target:	MINPP1
Alternative Name:	MINPP1 (MINPP1 Products)
Background:	Background: Multiple Inositol Polyphosphate Phosphatase 1/MINPP1 is an enzyme that removes 3-phosphate from inositol phosphate substrates. MINPP1 also converts 2,3

Target Details

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).

Synonym: 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

Molecular Weight:	53.1 kDa
UniProt:	Q9UNW1

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.