Recombinant Human MINPP1 293 Cell Lysate

Cat. No. MINPP1-4312HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for multiple inositol polyphosphate histidine phosphatase, 1 (MINPP1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MINPP1 multiple inositol-polyphosphate phosphatase 1 [Homo sapiens]
Official Symbol	MINPP1
Synonyms	MINPP1; multiple inositol-polyphosphate phosphatase 1; multiple inositol polyphosphate histidine phosphatase, 1; multiple inositol polyphosphate phosphatase 1; MIPP; ins(1,3,4,5)P(4) 3-phosphatase; multiple inositol polyphosphate phosphatase 2; inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase; HIPER1; MINPP2; DKFZp564L2016;
Gene ID	9562
mRNA Refseq	NM_001178117
Protein Refseq	NP_001171588
MIM	605391
UniProt ID	Q9UNW1
Chromosome Location	10q23
Pathway	D-myo-inositol (1,3,4)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol

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	(1,4,5,6)-tetrakisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,4,5,6)-tetrakisphosphate biosynthesis, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Rapoport-Luebering glycolytic shunt, organism-specific biosystem;
Function	acid phosphatase activity; bisphosphoglycerate 3-phosphatase activity; hydrolase activity; inositol hexakisphosphate 2-phosphatase activity; inositol-1,3,4,5,6-pentakisphosphate 3-phosphatase activity; inositol-1,4,5,6-tetrakisphosphate 6-phosphatase activity; phosphohistidine phosphatase activity;

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