

Recombinant Human IMPA2 293 Cell Lysate

Cat. No. IMPA2-5213HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2) 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	IMPA2 inositol(myo)-1(or 4)-monophosphatase 2 [Homo sapiens]
Official Symbol	IMPA2
Synonyms	IMPA2; inositol(myo)-1(or 4)-monophosphatase 2; inositol monophosphatase 2; IMP 2; IMPase 2; inosine monophosphatase 2; myo-inositol monophosphatase A2; inositol monophosphatase 2 variant 1; inositol monophosphatase 2 variant 2;
Gene ID	3613
mRNA Refseq	NM_014214
Protein Refseq	NP_055029
MIM	605922
UniProt ID	O14732
Chromosome Location	18p11.2
Pathway	D-myo-inositol (1,4,5)-trisphosphate degradation, organism-specific biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Inositol phosphate metabolism, Ins(1,3,4,5)P4 =>Ins(1,3,4)P3

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=> myo-inositol, organism-specific biosystem;

Function

hydrolase activity; inositol monophosphate 1-phosphatase activity; inositol monophosphate 3-phosphatase activity; inositol monophosphate 4-phosphatase activity; metal ion binding; protein homodimerization activity;

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