

Recombinant Human INPP5A 293 Cell Lysate

Cat. No. INPP5A-5199HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for inositol polyphosphate-5-phosphatase, 40kDa (INPP5A) 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

INPP5A inositol polyphosphate-5-phosphatase, 40kDa [Homo sapiens]

Official Symbol

INPP5A

Synonyms

INPP5A; inositol polyphosphate-5-phosphatase, 40kDa; inositol polyphosphate 5 phosphatase, 40kD; type I inositol 1,4,5-trisphosphate 5-phosphatase; 5PTASE; 43 kDa inositol polyphosphate 5 phophatase; CTCL tumor antigen HD CL 02; inositol polyphosphate 5 phophatase; 40kDa; InsP3 5 phosphatase; type I inositol 1; 4; 5 trisphosphate 5 phosphatase; InsP3 5-phosphatase; CTCL tumor antigen HD-CL-02; 43 kDa inositol polyphosphate 5-phophatase; inositol trisphosphate-5-phosphatase, 40kD; type I inositol-1,4,5-trisphosphate 5-phophatase; type I inositol-1,4,5-trisphosphate 5-phosphatase; MGC116947; MGC116949; DKFZp434A1721;

Gene ID

3632

mRNA Refseq

NM_005539

Protein Refseq

NP_005530

MIM

600106

UniProt ID

Q14642

**Chromosome
Location**

10q26.3

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Pathway

1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific biosystem; 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; 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;

Function

PH domain binding; hydrolase activity; inositol-1,3,4,5-tetrakisphosphate 5-phosphatase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity; inositol-polyphosphate 5-phosphatase activity;