

Recombinant Human PTP4A2 293 Cell Lysate

Cat. No. PTP4A2-2694HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein tyrosine phosphatase type IVA, member 2 (PTP4A2), transcript variant 1 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

PTP4A2 protein tyrosine phosphatase type IVA, member 2 [Homo sapiens]

Official Symbol

PTP4A2

Synonyms

PTP4A2; protein tyrosine phosphatase type IVA, member 2; PTP4A; protein tyrosine phosphatase type IVA 2; HU PP 1; OV 1; PRL 2; ptp IV1a; PTPCAAX2; PTP(CAAXII); protein tyrosine phosphatase IVA; protein-tyrosine phosphatase 4a2; protein tyrosine phosphatase IVA2; phosphatase of regenerating liver 2; protein-tyrosine phosphatase of regenerating liver 2; HH13; OV-1; PRL2; HH7-2; PRL-2; HU-PP-1; ptp-IV1a; ptp-IV1b;

Gene ID

8073

mRNA Refseq

NM_001195100

Protein Refseq

NP_001182029

MIM

601584

UniProt ID

Q12974

Chromosome Location

1p35

Pathway

Signaling events mediated by PRL, organism-specific biosystem;

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Function

hydrolase activity; prenylated protein tyrosine phosphatase activity;

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