

Recombinant Human PTPRO 293 Cell Lysate

Cat. No. PTPRO-2672HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein tyrosine phosphatase, receptor type, O (PTPRO), 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

[PTPRO protein tyrosine phosphatase, receptor type, O \[Homo sapiens \]](#)

Official Symbol

PTPRO

Synonyms

PTPRO; protein tyrosine phosphatase, receptor type, O; receptor-type tyrosine-protein phosphatase O; GLEPP1; NPHS6; osteoclastic transmembrane protein tyrosine phosphatase; PTP oc; PTP U2; PTPU2; PTP phi; PTPase U2; phosphotyrosine phosphatase U2; glomerular epithelial protein 1; protein tyrosine phosphatase PTP-U2; osteoclastic transmembrane protein-tyrosine phosphatase; PTP-OC; PTP-U2; PTPROT; R-PTP-O;

Gene ID

[5800](#)

mRNA Refseq

[NM_030667](#)

Protein Refseq

[NP_109592](#)

MIM

[600579](#)

UniProt ID

[Q16827](#)

Chromosome Location

12p13-p12

Pathway

Signaling events mediated by Stem cell factor receptor (c-Kit), organism-specific

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biosystem;

Function

Wnt-protein binding; hydrolase activity; phosphatase activity; protein binding; protein homodimerization activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; receptor activity; transmembrane receptor protein tyrosine phosphatase activity;

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