

## Recombinant Human PTPRJ 293 Cell Lysate

**Cat. No.** PTPRJ-2675HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for protein tyrosine phosphatase, receptor type, J (PTPRJ), 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** PTPRJ protein tyrosine phosphatase, receptor type, J [ Homo sapiens ]

**Official Symbol** PTPRJ

**Synonyms** PTPRJ; protein tyrosine phosphatase, receptor type, J; receptor-type tyrosine-protein phosphatase eta; CD148; DEP1; HPTPeta; DEP-1; R-PTP-J; HPTP eta; CD148 antigen; density-enhanced phosphatase 1; protein-tyrosine phosphatase eta; human density enhanced phosphatase-1; protein-tyrosine phosphatase receptor type J; susceptibility to colon cancer 1, mouse, homolog of; protein tyrosine phosphatase, receptor type, J polypeptide; SCC1; R-PTP-ETA;

**Gene ID** 5795

**mRNA Refseq** NM\_001098503

**Protein Refseq** NP\_001091973

**MIM** 600925

**UniProt ID** Q12913

**Chromosome Location** 11p11.2

**Pathway** Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; PDGFR-beta signaling pathway, organism-specific biosystem; Signaling events mediated by Hepatocyte Growth Factor Receptor (c-Met), organism-specific

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biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;

**Function**

beta-catenin binding; delta-catenin binding; gamma-catenin binding; hydrolase activity; mitogen-activated protein kinase binding; phosphatase activity; phosphatase activity; platelet-derived growth factor receptor binding; protein binding; protein kinase binding; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity;

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