

## Recombinant Human PTPRN cell lysate

Cat. No. PTPRN-1440HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	<p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and a single catalytic domain, and thus represents a receptor-type PTP. This PTP was found to be an autoantigen that is reactive with insulin-dependent diabetes mellitus (IDDM) patient sera, and thus may be a potential target of autoimmunity in diabetes mellitus.</p>
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	PTPRN protein tyrosine phosphatase, receptor type, N [ Homo sapiens ]
<b>Official Symbol</b>	PTPRN
<b>Synonyms</b>	PTPRN; protein tyrosine phosphatase, receptor type, N; receptor-type tyrosine-

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protein phosphatase-like N; IA 2; ICA 512; PTP IA-2; islet cell antigen 2; islet cell antigen 512; islet cell autoantigen 3; protein tyrosine phosphatase-like N; IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP; FLJ16131;

**Gene ID** [5798](#)

**mRNA Refseq** [NM\\_001199763](#)

**Protein Refseq** [NP\\_001186692](#)

**MIM** [601773](#)

**UniProt ID** [Q16849](#)

**Chromosome Location** 2q35-q36.1

**Pathway** Type I diabetes mellitus, organism-specific biosystem; Type I diabetes mellitus, conserved biosystem;

**Function** GTPase binding; hydrolase activity; phosphatase activity; protein binding; protein tyrosine phosphatase activity; receptor activity; transmembrane receptor protein tyrosine phosphatase activity;

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