

# Recombinant Full Length Human PTPRN Protein, C-DDK-tagged

Cat. No. PTPRN-74HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human PTPRN Protein, fused to DDK-tag at C-terminus, was expressed in Sf9.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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. Alternate splicing results in multiple transcript variants.</p>
<b>Form</b>	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
<b>Molecular Mass</b>	103 kDa
<b>AA Sequence</b>	A DNA sequence from TrueORF clone, RC220230, encoding human full-length PTPRN.
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Protein Pathways</b>	Type I diabetes mellitus
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	PTPRN protein tyrosine phosphatase receptor type N [ Homo sapiens (human) ]
<b>Official Symbol</b>	PTPRN
<b>Synonyms</b>	IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP
<b>Gene ID</b>	5798
<b>mRNA Refseq</b>	NM_002846.4
<b>Protein Refseq</b>	NP_002837.1
<b>MIM</b>	601773
<b>UniProt ID</b>	Q16849

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**SDS-PAGE**



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