

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

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

SPECIFICATION

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

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

GENE INFORMATION

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

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SDS-PAGE

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