

Recombinant Human PTPRN Protein, DDK-tagged

Cat. No. PTPRN-675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRN(Met-Val35-Arg575), transcript variant 1, fused with DDK tag at C-terminal was expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	-35 a.a.
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	57.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

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

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