

Recombinant Full Length Human PTPRN Protein, DDK-tagged

Cat. No. PTPRN-674H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human protein tyrosine phosphatase, receptor type, N (PTPRN), transcript variant 1, full length, with C-terminal DDK tag, expressed in sf9 insect cells.
Species	Human
Source	Insect 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.
Molecular Mass	103 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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.

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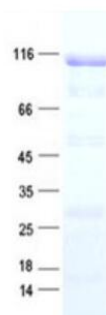
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Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	50 mM Tris-HCl, pH8.0, 100 mM glycine, 10% glycerol.
Full Length	Full L.
GENE INFORMATION	
Gene Name	PTPRN protein tyrosine phosphatase receptor type N [Homo sapiens (human)]
Official Symbol	PTPRN
Synonyms	PTPRN; protein tyrosine phosphatase receptor type N; IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP; receptor-type tyrosine-protein phosphatase-like N; ICA 512; PTP IA-2; insulinoma-associated tyrosine-phosphatase-like protein; islet cell antigen 2; islet cell antigen 512; islet cell autoantigen 3; protein tyrosine phosphatase-like N; EC 3.1.3.48
Gene ID	5798
mRNA Refseq	NM_002846
Protein Refseq	NP_002837
MIM	601773
UniProt ID	Q16849

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SDS-PAGE

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