Recombinant Human PTPRN Protein, His-tagged

Cat. No. PTPRN-678H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRN, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	121-210 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	Supplied as a 0.2 μM filtered solution of PBS, pH7.4
Molecular Mass	22.9kD
AA Sequence	MGSSHHHHHHSSGLVPRGSHMQDKERLAALGPEGAHGDTTFEYQDLCRQHMATK SLFNRAEGPPEPSRVSSVSSQFSDAAQASPSSHSSTPSWCEEPAQANGGGGSGG GGSGGGGSWQMVWESGCTVIVMLTPLVEDGVKQCDRYWPDEGASLYHVYEVNLV

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	SEHIWCEDFLVRSFYLKNVQTQETRTLTQFHFLSWPAEGTPASTRPLL
Endotoxin	Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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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