

Recombinant Human PTPRN Protein, Flag-tagged

Cat. No. PTPRN-256H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRN Protein (transcript variant 1, residues 35-575aa) is produced by Sf9 Baculovirus Insect Cells expression system. This protein is fused with a Flag tag.
Species	Human
Source	Insect Cells
ProteinLength	35-575 aa
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	PBS buffer
Molecular Mass	57 kDa
AA Sequence	MRRPRRPGGLGGSGGLRLLLCLLLLSSRPGGCSAVSAHGCLFDRRLCSHLEVCIQD GLFGQCQVGVGQARPLLQVTSPVLQRLQGVLRLMSQGLSWHDDLTLQYVISQEME

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RIPRLRPPEPRPRDRSGLAPKRPGPAGELLQDIPTGSAPAAQHRLPQPPVKGKGA
 GASSLSPLQAELLPLLEHLLLPPQPPHPSLSYEPALLQPYLFHQFGSRDGSRVSE
 GSPGMVSVGPLPKAEAPALFSRTASKGIFGDHPGHSYGDLPGPSPAQLFQDSGLLY
 LAQELPAPSRARVPRLPEQGSSSRAEDSPEGYEKEGLGDRGEKPASPAVQPDAAL
 QRLAAVLAGYGVELRQLTPEQLSTLLTLLQLLPKGAGRNPGGVVNVGADIKKTMEGP
 VEGRDTAELPARTSPMPGHPTASPTSSEVQQVSPSPVSSEPPKAARPPVTPVLEKK
 SPLGQSQPTVAGQPSARPAEEYGYIVTDQKPLSLAAGVKLLEILAEHVHMSSGSFI
 NISVVGPAITFRIRHNEQNLADVTQQAGLVKSELEAQTGLQILQTGVGQREEAAA
 VLPQTAHSTSPMRSVLLTLVALAGVAGLLVALAVALCVRQHARQQDKERLAALGPE
 GAHGDTTFEYQDLCRQHMAKSLFNRAEGPPEPSRVSSVSSQFSDAAQASPSSH
 STPSWCEEPAQANMDISTGHMILAYMEDHLRNRDRLAKEWQALCAYQAEPNTCAT
 AQGEGNIKKNRHPDFLPYDHARIKLVKVESSPSRSDYINASPIIEHDPMPAYIATQGP
 LSHTIADFWQMVWESGCTVIVMLTPLVEDGVKQCDRYWPDEGASLYHVVEVNLVS
 EHIWCEDFLVRSFYLNVTQETRTLTFHFLSWPAEGTPASTRPLLDFFRRKVNKC
 YRGRSCPIIVHCSDGAGRTGTYLIDMVLNRMAGVKEIDIAATLEHVRDQRPGLVRS
 KDQFEFALTAVAEVNAIKALPQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% 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; IA 2; ICA 512; PTP IA-2; islet cell antigen 2; IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP; FLJ16131;

Gene ID 5798

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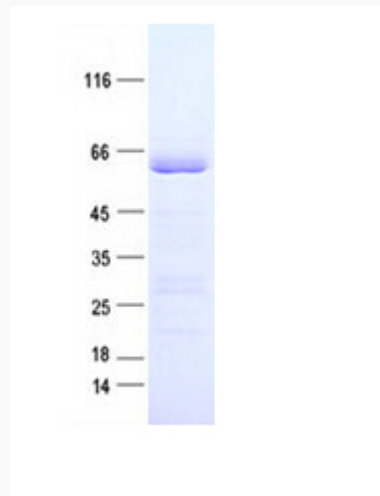
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mRNA Refseq [NM_001199763](#)

Protein Refseq [NP_001186692](#)

MIM [601773](#)

UniProt ID [Q16849](#)



Purified recombinant protein PTPRN was analyzed by SDS-PAGE gel and Coomassie Blue Staining.

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