

Recombinant Human PTPRN Protein, His-tagged

Cat. No. PTPRN-98H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRN Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-321 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	PBS (pH 7.4).
Molecular Mass	34.8 kDa
AA Sequence	MHPGHSYGDLPGPSPAQLFQDSGLLYLAQELPAPSRARVPRLPEQGSSSRAEDSP EGYEKEGLGDRGEKPASPAVQPDAALQRLAAVLAGYGVELRQLTPEQLSTLLTLQ LLPKGAGRNPGGVVNVGADIKKTMEGPVEGRDTAELPARTSPMPGHPTASPTSSEV QQVPSPVSSEPPKAARPPVTPVLLEKKSPLGQSQPTVAGQPSARPAEEYGYIVTD

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QKPLSLAAGVKLLEILAEHVMSSGSFINISVVGPAITFRIRHNEQNLSLADVTQQAG
LVKSELEAQTGLQILQTGVGQREEAAVLPQTAHSTSPMRLEHHHHHH

Purity >90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1.5 mg/ml

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_001199763

Protein Refseq NP_001186692

MIM 601773

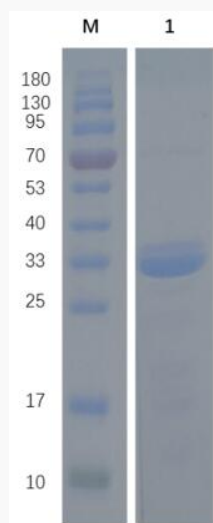
UniProt ID Q16849

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SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified PTPRN (CBB stained).

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