

Product datasheet for **TP710234**

PTPRN (NM_002846) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human protein tyrosine phosphatase, receptor type, N (PTPRN), transcript variant 1, residues 35-575aa, with C-terminal DDK tag, expressed in sf9 insect cells
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC220230, the region(Met-Val35-Arg575) of Homo sapiens PTPRN
Tag:	C-DDK
Predicted MW:	57.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002837
Locus ID:	5798
UniProt ID:	Q16849 , Q961A0
RefSeq Size:	3649
Cytogenetics:	2q35
RefSeq ORF:	2937
Synonyms:	IA-2; IA-2/PTP; IA2; ICA512; R-PTP-N



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Summary:

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.[provided by RefSeq, Dec 2010]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Type I diabetes mellitus

Product images: