

Product datasheet for **TP721211XL**

PTPRN (NM_002846) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human protein tyrosine phosphatase, receptor type, N (PTPRN), transcript variant 1 |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | Arg576-Gln950 |
| Tag: | N-His |
| Predicted MW: | 44.6 kDa |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 3 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_002837 |
| Locus ID: | 5798 |
| UniProt ID: | Q16849 , Q96IA0 |
| 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 |