

## Product datasheet for **SC331356**

### **PTPRN (NM\_001199763) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PTPRN (NM_001199763) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPRN
Synonyms:	IA-2; IA-2/PTP; IA2; ICA512; R-PTP-N
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

**Fully Sequenced ORF:** >SC331356 representing NM\_001199763.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCGGCGCCCGCGGGCCTGGGGTCTCGGGGATCCGGGGTCTCCGGCTGCTCCTCTGCCTCCTG
CTGCTGAGCAGCCCGGGGGGCTGCAGCGCCGTTAGTCCACGGCTGTCTATTTGACCGCAGGCTC
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CGGCCCTTTTGAAGTACCTCCCAAGTCTCCAACGCTTACAAGGTGTGCTCCGACAACCTCATGTCC
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ATCCTCAAGGCCCTGCCAGTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001199763  
**Insert Size:** 2853 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199763.1</a>
<b>RefSeq Size:</b>	3712 bp
<b>RefSeq ORF:</b>	2853 bp
<b>Locus ID:</b>	5798
<b>UniProt ID:</b>	<a href="#">Q16849</a>
<b>Cytogenetics:</b>	2q35
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Type I diabetes mellitus
<b>MW:</b>	102.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>