

## Product datasheet for **SC215922**

### **PTPRN2 (NM\_002847) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	PTPRN2 (NM_002847) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTPRN2
Synonyms:	IA-2beta; IAR; ICAAR; PTPRP; R-PTP-N2
ACCN:	NM_002847
Insert Size:	1688 bp



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**Insert Sequence:** >SC215922 3'UTR clone of NM\_002847  
 The sequence shown below is from the reference sequence of NM\_002847. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACGCCATCCTCAAGGCCCTTCCCAGTAGCGGCAGCCTCAGGGCCTCAGGGGAGCCCCACCCAC
GGATGTTGTGAGGAATCATGATCTGACTTTAATTGTGTCTTCTATTATAACTGCATAGTAATAGGC
CCTTAGCTCTCCCGTAGTCAGCGAGTTTACGAGTTAAAAGTGTATTTTTGTTTAAACAACAATA
AAGAGAGATTTGTGAAAAATCCAGTTACGGGTGGAGGGGAATCGGTTTCATCAATTTTCACTTGCTTAA
AAAAATACTTTTTCTTAAAGCACCCGTTACCTTCTGGTTGAAGTTGTGTTAACAAATGCAGTAGCCA
GCACGTTCCGAGGCGGTTCCAGGAAGAGTGTGCTTGTCTGCTGCACTTTCCGGGAGGGTGGATCCACTG
TGCAGGAGTGGCCGGGAAGCTGGCAGCACTCAGTGAGGCCGCCGGCACACAAGGCACGTTTGGCATT
TCTCTTTGAGAGAGTTTATCATTGGGAGAAGCCGAGGGACAGAAGTGAACGCTCTGCAGCTTCGGGGC
AAGTGAGACAATCACAGCTCCTCGCTGCGTCTCCATCAACACTGCGCCGGGTACCATGGACGGCCCCGT
CAGCCACACCTGTGAGCCCAAGCAGAGTGATTCAGGGGCTCCCCGGGGGAGACACCTGTGACCCCAT
GAGTAGTGCCCACTTGAGGCTGGCACTCCCTGACCTCACCTTTGCAAAGTTACAGATGCACCCCAACA
TTGAGATGTGTTTTAATGTTAAAATATTGATTCTACGTTATGAAAACAGATGCCCCCGTGAAATGCTT
ACCTGTGAGATAACCAACAACAGGAAGAACAATCTGGGCATTGAGCAAGCTATGAGGGTCCCCGGGAG
CACACGAACCTGCCAGGCCCGCTGGCTCCTCCAGGCAGTCCCGACCTGTGGGGCCCCAGAGAGG
GGACATTTCCCTCCTGGGAGAGAAGGAGATCAGGGCAACTCGGAGAGGGTGCAGCATTTCCTCCCG
GGAGAGGAGATCAGGGCGACCTGCACGCACTGCGTAGAGCCTGGAAGGGAAGTGAAGAAACAGCCGACC
GGCCCTGCCCTCTTCCCGGATCACTTAATGAACCACGTGTTTTGACATCATGTA AACCTAAGCACGT
AGAGATGATTCGGATTTGACAAAATAACATTTGAGTATCCGATTCGCCATCACCCCTACCCAGAAAT
AGGACAATCACTTCATTGACCAAGATGATCACATGGAAGGCGGCACAGAGGCAGCTGTGTGGGCTGCA
GATTTCTGTGTGGGTTCCAGCGTAGAAAACGCACCTCCATCCCGCCCTTCCACAGCATTCTCCATC
TTAGATAGATGGTACTCTCAAAGGCCCTACCAGAGGGAACACGGCCTACTGAGCGGACAGAATGATGC
CAAAAATATTGCTTATGTCTCTACATGGTATTGTAATGAATATCTGCTTTAATATAGCTATCATTCTTT
TCCAAAATTACTTCTCTATCTGGAATTAATTAATCGAAATGAATTTATCTGAATATAGGAAGCATA
TGCTACTTGTAATTTCTAACTCCTTATGTTTGAAGAGAAACCTCCGGTGTGAGATATACAAATATATT
TAATTGTGCATATTA AACTTCTGATTTACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_002847.5](#)

**Summary:**

This gene encodes a protein with sequence similarity to receptor-like protein tyrosine phosphatases. However, tyrosine phosphatase activity has not been experimentally validated for this protein. Studies of the rat ortholog suggest that the encoded protein may instead function as a phosphatidylinositol phosphatase with the ability to dephosphorylate phosphatidylinositol 3-phosphate and phosphatidylinositol 4,5-diphosphate, and this function may be involved in the regulation of insulin secretion. This protein has been identified as an autoantigen in insulin-dependent diabetes mellitus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

**Locus ID:**

5799

**MW:**

62.4