

Product datasheet for **SC215921**

PTPRN2 (NM_130843) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPRN2 (NM_130843) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTPRN2
Synonyms:	IA-2beta; IAR; ICAAR; PTPRP; R-PTP-N2
ACCN:	NM_130843
Insert Size:	1688 bp



[View online »](#)

Insert Sequence: >SC215921 3'UTR clone of NM_130843
 The sequence shown below is from the reference sequence of NM_130843. 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
AACGCCATCCTCAAGGCCCTTCCCCAGTAGCGGCAGCCTCAGGGCCTCAGGGGAGCCCCACCCAC
GGATGTTGTGAGGAATCATGATCTGACTTTAATTGTGTGCTTCTATTATAACTGCATAGTAATAGGGC
CCTTAGCTCTCCCGTAGTCAGCGAGTTTACGAGTTAAAAGTGTATTTTTGTTTAAACAACAATAATA
AAGAGAGATTTGTGAAAAATCCAGTTACGGGTGGAGGGGAATCGGTTTCATCAATTTTCACTTGCTTAA
AAAAATACTTTTTCTTAAAGCACCCGTTACCTTCTTGGTTGAAGTTGTGTTAACAAATGCAGTAGCCA
GCACGTTCCGAGGCGGTTCCAGGAAGAGTGTGCTTGTCTGCTGCACTTTCCGGGAGGGTGGATCCACTG
TGCAGGAGTGGCCGGGAAGCTGGCAGCACTCAGTGAGGCCGCCGGCACACAAGGCACGTTTGGCATT
TCTCTTTGAGAGAGTTTATCATTGGGAGAAGCCGAGGGACAGAAGTGAACGCTCTGCAGCTTCGGGGC
AAGTGAGACAATCACAGCTCCTCGCTGCGTCTCCATCAACTGCGCCGGGTACCATGGACGGCCCCGT
CAGCCACACCTGTGAGCCCAAGCAGAGTGATTCAGGGGCTCCCCGGGGGAGACACCTGTGACCCCAT
GAGTAGTGCCCACTTGAGGCTGGCACTCCCTGACCTCACCTTTGCAAAGTTACAGATGCACCCCAACA
TTGAGATGTGTTTTAATGTTAAAATATTGATTCTACGTTATGAAAACAGATGCCCCCGTGAAATGCTT
ACCTGTGAGATAACCAACAACAGGAAGAACAATCTGGGCATTGAGCAAGCTATGAGGGTCCCCGGGAG
CACACGAACCTGCCAGGCCCGCTGGCTCCTCCAGGCAGTCCCGACCTGTGGGGCCCCAGAGAGG
GGACATTTCCCTCCTGGGAGAGAAGGAGATCAGGGCAACTCGGAGAGGGTGCAGCATTTCCTCCCG
GGAGAGGAGATCAGGGCAGCTGCACGCACTGCGTAGAGCCTGGAAGGGAAGTGAAGAAACAGCCGACC
GGCCCTGCCCTCTTCCCGGATCACTTAATGAACCACGTGTTTTGACATCATGTA AACCTAAGCACGT
AGAGATGATTCGGATTTGACAAAATAACATTTGAGTATCCGATTCGCCATCACCCCTACCCAGAAAT
AGGACAATCACTTCATTGACCAAGATGATCACATGGAAGGCGGCACAGAGGCAGCTGTGTGGGCTGCA
GATTTCTGTGTGGGTTCCAGCGTAGAAAACGCACCTCCATCCCGCCCTTCCACAGCATTCTCCATC
TTAGATAGATGGTACTCTCAAAGGCCCTACCAGAGGGAACACGGCCTACTGAGCGGACAGAAATGATGC
CAAAAATATTGCTTATGTCTCTACATGGTATTGTAATGAATATCTGCTTAAATAGCTATCATTCTTT
TCCAAAATTACTTCTCTATCTGGAATTAATTAATCGAAATGAATTTATCTGAATATAGGAAGCATA
TGCTACTTGTAATTTCTAACTCCTTATGTTTGAAGAGAAACCTCCGGTGTGAGATATACAAATATATT
TAATTGTGCATATTAACCTTCTGATTTACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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_130843.4](#)

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