

Product datasheet for **RN216979**

Ptpn11 (NM_001177593) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn11 (NM_001177593) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn11
Synonyms:	Shp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216979 representing NM_001177593
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACATCCCGGAGATGGTTTCACCCCAATATCACTGGTGTGGAGGCAGAGAATCTCCTGCTGACCCGAG
 GAGTCGATGGCAGTTTCTTAGCGAGGCCAGCAAGAGTAACCCTGGAGACTTCACTCTGTCTGTTAGAAG
 AAATGGAGCCGTTACCCACATCAAGATTAGAACAAGTGGGACTACTATGACCTCTATGGCGGGGAAAAG
 TTTGCCACCTTGCTGAACTGGTCCAGTATTACATGGAGCATCACGGGCAGCTGAAAAGAGAAGAATGGAG
 ATGTTATTGAGCTCAAGTACCCACTGAACTGTGCAGACCTACCTCTGAAAGGTGGTTCCACGGTCACTT
 GTCTGGAAAAGAAGCAGAGAAGCTGCTGACAGAGAAGGGGAAGCATGGCAGTTTCTCGTCCGGGAGAGC
 CAGAGCCACCCTGGGACTTCGCTCTCCGTCGCACTGGTGTGACAAAGGGGAGAGCAATGACAGCA
 AGTCCAAAGTGACCCATGTCATGATCCGCTGTCAGGAGCTGAAAATATGATGTTGGTGGAGGAGAGCGCTT
 TGACTCTTTGACAGACCTGGTGGAGCATTACAAGAAGAACCCATGGTGGAGACTGGGCACAGTCTCTG
 CAGCTCAAACAGCCCTCAACACAACCTCGTATTAAATGCCGCTGAAATCGAAAGCCGGGTTCCGGGAGTTAA
 GCAAGCTAGCCGAGACCACAGATAAAGTCAAACAGGGCTTTTGGGAAGAATTTGAGACTCTACAGCAACA
 GGAATGCAAACTTCTCTACAGCCGAAAAGAAGGACAGAGACAAGAAAATAAAAACAAAAATAGATACAAA
 AACATCCTGCCCTTTGATCATACCAGGGTTGCTCTGCAGATGGGGATCCCAACGAGCCAGTTTCTGATT
 ACATCAATGCCAATCATCATGCCTGAATTTGAAACCAAGTGAACAATTCAAAACCCAAAAAGAGTTA
 CATTGCCACTCAAGGCTGCCTGCAGAACCGGTGAATGACTTCTGGCGGATGGTGTCCAGGAGAACTCT
 CGAGTCATTGTGATGACCACAAAGGAAGTGGAGAGAGGGAAAGAGCAAGTGTGCAAGTACTGGCCTGATG
 AGTGTGCACTCAAAGAGTATGGCGTCATGCGTGTGAGGAACGTGAGAGAAAGTGTGCGCATGACTACAC
 CTTACGAGAACTCAAACCTCTAAGGTTCGACAAGCTCTACTCCAGGGAAACACAGAGAGAACCCTCTGG
 CAGTACCACTTTTCGGACCTGGCCAGACCACGGTGTGCCTAGTGACCCTGGAGGTGTGCTGGACTTCTGG
 AGGAGGTCCACCACAAGCAGGAGAGCATCGTGGATGCAGGCCCTGTCGTGGTTCCTGCACTGCTGGGAT
 TGGCCGGACAGGAACGTTTATTGTGATTGATATCCTTATTGACATCATCCGAGAGAAAGGTGGACTGT
 GACATCGACGTTCTAAAACATTGAGTGGTACGGTCCCAGAGGTGAGGGATGGTCCAGACAGAAGCAC
 AGTACCGGTTTCTACATGGCCGTCAGCACTACATAGAGACGCTGCAACGCAGGATCGAGGAGGAGCA
 GAAAAGCAAAAGGAAAGGACATGAATATACCAATATTAAGTATTCCTGGTGGACCAGACAAGTGGCGAT
 CAGAGTCCCTGCCACCTTGACCCCAAGCCACCTGTGCGGAAATGCGGGAGGACAGCGCTCGAGTCT
 ATGAGAACGTGGGCTCATGCAGCAGCAGAGGAGTTTCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177593

Insert Size: 1794 bp

OTI Disclaimer: 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001177593.1](#), [NP_001171064.1](#)

RefSeq Size: 5538 bp

RefSeq ORF: 1794 bp

Locus ID: 25622

UniProt ID: [P41499](#)

Cytogenetics: 12q16

Gene Summary: catalyzes the tyrosine dephosphorylation of para-nitrophenylphosphate, nicotinic acetylcholine receptor, myelin basic protein, and other proteins [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.