

## Product datasheet for **RN217337**

### **Ptpn4 (NM\_001100479) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptpn4 (NM_001100479) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217337 representing NM\_001100479  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCGCACGTTTCCGATTGCCTGCTGGCAGAACCTACAATGTCCGAGCATCAGAGTTGGCCCGAGACA  
 GACAGCATACAGAGGTGGTTTGCAACATTCTTCTTCTGGATAAACCTGTACAGGCATTACAGATTAATAA  
 ACATGATCAGGGGCAAGTTCTGTTGGATATAGTCTTCAAGCATCTTGATCTGACTGAGCGAGACTATTTT  
 GGTTTACAGTTGGCTGATGATTCCACAGATAACCCAAGGTGGCTGGATCCAAACAAACAAATAAGGAAGC  
 AGCTAAAGAGAGGATCACCTTACAATTTGAACTTTAGAGTCAAATTTCTTGTAAAGTACCCCAACAAGTT  
 ACAAGAAGAATATACAAGGTATCAGTATTTTTGCAAATTAAGCAAGACATTCTTACTGGAAGATTATCC  
 TGTCCTTGTAACTGCTGCTCTTTAGCTTCATTGCTGTTGAGTCTGAACTTGGAGACTACAATCAGT  
 CAGAAAACCTGGCAGGCTACCTCTCAGATTATTCTTTTCCTAATCAACCTCAAGATTTCGAGAAAGA  
 AATTGCAAAGTTACATCAGCAGCATATTGGCTTATCTCCTGCAGAAGCAGATTTAATTACCTAAACACA  
 GCACGTACCCTGGAACCTATGGAGTTGAATTTACTATGCAAGGGATCAAAGTAAACAATGAAATCCTGA  
 TTGGAGTGATGTCAGGAGGAATTCGATTTACAAGAACAGGGTACGGATGAATACTTTTCTGTGGTTGAA  
 GATTGTAAAAATTTCTTTAAATGCAACAATTTTTTATTCAACTTCGAAAAGAATTGCATGAATCTAGA  
 GAAACATTACTTGGATTTAATATGGTGAATTATAGAGCGTGTAAAACCTTGTGGAAAAGCGTGTGTAGAAC  
 ATCACACATTCTCCGCCTGGATAGACCACTCCACCTCAAAGAAGCTTTTTTGCACATTATTTTACATT  
 GGGTTCCAAATCCGGTACTGTGGGAGAACTGAAGTCCAGTCAGTTCAGTATGGCAAAGAAAAGGCAAAAT  
 AAAGACAGGGTATTTGCAAGATCTCAAAGTAAAGCTTTGGCCCGAAATTAATGGATTGGGAAGTAGTCA  
 GCAGAAAATTCGTTATCTGATGACAGGTTAGAAACACAAAGTCTCCCATCCCGGTCTCCACCTGGAATCC  
 CAACCATCGAAAATCTTCATTCACACAAGGGGACCCGGGTTCCGGCTTTCAGTTGGTCAATTTGGTA  
 GACCATGTGGTTCATACATCCCCAGTGAGGATTTTGTAAAGTCAAGATCTCCATCATCAACGCAAGCTA  
 ATAGCATAGTTCTGGAATCATCACCATCACAAGAGACCCCTGAAGATGGGCAGCCTCCAGCTTTACCACC  
 CAAACAATCTAAGAAAAACAGTTGGAACCAAATTCATTTTTTACATTCTCAGCAAGATCTAGTCAACCAT  
 ACTAATGAATCCTTTGATGTGCCCTCTCCCTGAAAAGTCCACTCCTAATGGTGGCATTCCACATGATA  
 ACCTTGTCTAATCAAAATGAAACCTGATGAGAATGGAAGGTTTGGATTCAATGTAAAGGGAGGGTATGA  
 TCAGAAGATGCCTGTAATTGTGTCGGGTAGCACCAGGAACACCTGCTGACCTCTGTGTCCTCGGTTG  
 AATGAAGGGGACCAAGTGGTACTATAAATGGCCGGGATATTGCAGAACACCCATGATCAAGTAGTCT  
 TATTTATTAAGCTAGCTGTGAGAGACATTCTGGGGAACCTGTGCTCCTAGTTCGACCTAATGCTGTATA  
 TGACGTAGTGAAGAAAAACTAGAAAGTGAAGCCAGACTTCCAGTATATTCTGAAAAAGCCCTCTAGAT  
 AGTGTCCATCAAGATGACCATTCCCTGCGGGAGTCCGATGATCCAGCTAGCTGAGGGGCTTACTCTGGAA  
 CAGTACTGGCACAGTTTGTCAACTGTATCGGAAAAAACCTGGAATGACAATGTCTTGTGCCAAATACC  
 TCAGAACATTTCCAAAAACAGATACAGAGATATTTACCTTATGACGCTACACGGGTCTTTTAAAAGGT  
 AATGAAGACTACATCAATGCAAACTATATAAATATGGAATTTCTTCTTCGAGTATTATAAATCAATACA  
 TTGCTTGTCAAGGGCCATTACCACATACTTGTAAAGATTTTGGCAAATGACTTGGGAACAAGGCTCCTC  
 CATGGTTGTGATGTTGACCACACAAGTTGAACGTGGCAGAGTTAAATGTCACCAGTATTGGCCAGAACCC  
 TCAGGAAGCTCATCCTATGGATGCTATCAAGTCACTGCCACTCTGAAGAAGGAAATCCTGCGTATATCT  
 TCAGGAAAATGCACTGTTTAAACCAAGAGAAAAATGAGAGTCGCCAACTCACTCAGATTCAGTACACAGC  
 CTGGCCTGACCATGGGGTACCTGACGACTCAAGTACTTTCTGGATTTCTGTTTGTGATGTCGAAACAAG  
 AGGGCTGGAAAAGAAGAGCCGATTATTGTTTCAATGCAAGTGGTGAATAGGAAGGACTGGGGTTCTCATCA  
 CTATGGAACTGCTATGTGCTCATTGAATGCAATCAGCCAGTGTATCCACTAGACATTGTAAGAACAAT  
 GAGAGATCAAAGAGCCATGATGATCCAAACCCCTAGTCAATACAGATTTGTATGTGAAGCTATTTTGAAA  
 GTTTATGAAGAAGGCTTTGTTAAACCATTAACAACATCATCAAAATAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_001100479
<b>Insert Size:</b>	2781 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001100479.2, NP_001093949.1</u>
<b>RefSeq Size:</b>	10570 bp
<b>RefSeq ORF:</b>	2781 bp
<b>Locus ID:</b>	246116
<b>Cytogenetics:</b>	13q11
<b>Gene Summary:</b>	human homolog has protein tyrosine phosphatase activity; may regulate many cellular processes [RGD, Feb 2006]