

## Product datasheet for **RN209781**

### **Ptpn2 (NM\_053990) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn2 (NM_053990) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209781 representing NM_053990 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGCTACCATCGAGCGGGAGTTTCGAGGAAGTGGATGCTCAGTGTGCTGGCAGCCGTTATACTTGG  
AAATTCGAAATGAATCCCATGACTATCCTCATAGAGTGGCCAAGTTTCCAGAAAACAGAAATCGAAACAG  
ATACAGAGATGTAAGCCCATATGATCACAGTCGTGTTAAATGCAGAGTGTGAAAATGATTATATTAAT  
GCCAGCTTAGTTGACATAGAAGAGGCACAAAGAAGTTACATCTTAACACAGGGCCCACTTCTAACACGT  
GCTGCCATTTCTGGCTCATGGTGTGGCAGCAAAAGACCAGAGCAGTTGTCATGCTAAACCGAACTGTAGA  
GAAAGAATCGGTTAAATGTGCACAGTACTGGCCAACGGATGACCGAGAGATGGTGTAAAGGAAACAGGA  
TTCAGCGTGAAGCTCTTATCTGAAGATGTGAAATCATATTATACAGTACATCTACTACAGTTAGAAAATA  
TCAATAGTGGTGAACAGAACCATATCTCACTTTCATTATACCACCTGGCCAGATTTTGGCGTTCGGGA  
GTCACCAGCTTCATTCTAAATTTCTTGTAAAGTTAGAGAATCTGGTCTTTGAACCTGACCATGGG  
CCTGCAGTGATCCATTGCAGTGCAGGCATCGGGCGTTCGGCACCTTCTCTTTGTAGATACCTGTCTCG  
TTCTGATGGAGAAAGGAGAGGATGTTAATGTGAAACAAATATTACTGAGTATGAGAAAGTATCGAATGGG  
ACTCATTACAGACTCCGGACCAGCTCAGATTCTCCTACATGGCCATAATAGAAGGAGCAAAGTATACAAAA  
GGAGATTCAAATATACAGAACAGAAACAATGACTGAGAAGTACAACGGGAAGAGAAATAGGGTCAGAAGATG  
AAAAGTTAACAGGACTTTCTTCTAAGGTTCCAGATACTGTGGAAGAGAGCAGTGAGAGTATTCTCCGGAA  
ACGCATTCCGAGAGGATAGAAAGGCTACAACCGCTCAGAAGGTGCAGCAGATGAGACAGAGGCTAAATGAA  
ACTGAACGGAAAAGGAAAAGGCCAAGATTGACAGACACC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053990
Insert Size:	1092 bp



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<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_053990.1</a> , <a href="#">NP_446442.1</a>
<b>RefSeq Size:</b>	1494 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	117063
<b>UniProt ID:</b>	<a href="#">P35233</a>
<b>Cytogenetics:</b>	18q12.1
<b>Gene Summary:</b>	binds DNA; has protein tyrosine phosphatase activity [RGD, Feb 2006]