

## Product datasheet for RN205311

### Ptpn1 (NM\_012637) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn1 (NM_012637) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn1
Synonyms:	Ptp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205311 representing NM_012637 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAATGGAGAAGGAATTCGAGCAGATCGATAAGGCTGGGAAGTGGGCGGCTATTTACCAGGATATTC  
GACATGAAGCCAGTGACTTCCCATGCAGAATAGCGAAACTTCTAAGAACAAAAACCGGAACAGGTACCG  
AGATGTCAGCCCTTTTGACCACAGTCGGATTAATTCATCAGGAAGATAATGACTATATCAATGCCAGC  
TTGATAAAAAATGGAGGAAGCCCAGAGGAGCTATATCCTCACCCAGGGCCCTTTACCAAACAGTGCGGGC  
ACTTCTGGGAGATGGTGTGGGAGCAGAAGAGCAGGGGCGTGGTCAATGCTCAACCCGATCATGGAGAAAGG  
CTCGTTAAAAATGTGCCAGTATTGGCCACAGAAAGAAGAAAAAGAGATGGTCTTCGATGACACCAATTTG  
AAGCTGACACTGATCTCTGAAGATGTCAAGTCATATTACACAGTACGGCAGTTGGAGTTGGAGAACCTGG  
CTACCCAGGAGGCTCGAGAGATCCTGCATTTCCACTACACCACCTGGCCTGACTTTGGAGTCCCTGAGTC  
ACCTGCCTCTTTCTCAATTTCTATTCAAAGTCCGAGAGTCAGGCTCACTCAGCCCAGAGCAGGCCCC  
ATTGTGGTCCACTGCAGTGTGGCATTGGCAGGTCAGGGACCTTCTGCCTGGCTGACACCTGCCTCTTAC  
TGATGGACAAGAGAAAGACCCGCTCTCTGTGGACATCAAGAAAGTGTGTTGGAGATGCCAGGTTCCG  
CATGGGGCTCATCCAGACGGCCGACCAACTGCGCTTCTCTACCTGGCTGTGATCGAGGGTGCAAAGTTC  
ATCATGGGCGACTCGTCAAGTGCAGGATCAGTGGAGGAGCTTTCCATGAAGACCTGGAGCCTCCCCCTG  
AGCACGTGCCCCACCTCCCCGGCCACCCAAACGCACATTGGAGCCTCACAATGGCAAGTGAAGGAGCT  
CTTCTCCAACCACAGTGGGTGAGCGAGGAGAGCTGTGAGGATGAGGACATCCTGGCCAGAGAGGAAAGC  
AGAGCCCCCTCAATTGCTGTGCACAGCATGAGCAGTATGAGTCAAGACACTGAAGTTAGGAAACGGATGG  
TGGGTGGAGTCTTCAAAGTGTGAGGATCTGTCCCACTGAGGAAGAGCTGTCCCAACCGAGGAGGA  
ACAAAAGGCACACAGGCCAGTTCAGTGAAGCCCTTCTGGTCAAGTGTGCATGGCCACGGCCCTGGCC  
ACTGGCGGTACCTCTGTACCAGGATGTTTTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012637
<b>Insert Size:</b>	1299 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>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_012637.2</a> , <a href="#">NP_036769.1</a>
<b>RefSeq Size:</b>	1744 bp
<b>RefSeq ORF:</b>	1299 bp
<b>Locus ID:</b>	24697
<b>UniProt ID:</b>	<a href="#">P20417</a>
<b>Cytogenetics:</b>	3q42
<b>Gene Summary:</b>	protein-tyrosine-phosphatase which has only phosphotyrosine phosphatase activity [RGD, Feb 2006]