

## Product datasheet for RN213028

### Ptpn20 (NM\_001080149) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptpn20 (NM\_001080149) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ptpn20  
**Synonyms:** Ptpn20b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN213028 representing NM\_001080149  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTTCACCCGGGAATGTTAGACAAAAACATGGAAGAGATAATGATGAACATGAGGGTGACTCAGATG  
 ACCTGAATCTCCAGAAGTCTTTGCCTTCATCAAGTCAGCAAAGACACCTACAAAACCGGTTTTGGGAA  
 TAAAGTGAATTCAGAGAGTGAAAAACCTCCACCATATGTCATTCTCGAATAAGTATGACCTTGTTTTT  
 CCAGAGCCTGTAGAAAGTGACAATGATGAGACATTGTGGGATGTGAGAGACCTGTCCACAGAAACAGGT  
 GGAGCAGTGTGGATCCGGAGTCCGACGGCCATCAAAGACTGTCTCCACAGTGCTTTCTGAAAGTAGCAC  
 TGACACAGCTGTCTCGAAAGGGAGCTGACTCAGTTAGCTCAGATCCGACCGCTAATATTCAACAGTTCC  
 TCAAGAGCTGCCCTGAGGGACTGTTGAAAGCGCTCCAGAAAAAGAAGAGCTTGATATCATCCGTGAGT  
 TTTTGAATTAGAAGAAATGATCCGCCTGATGACTTCAAGTCTGGGTATGAGCTACAGAACAGAGACAA  
 GAACAGATACCGAGATATTCTCCATATGATTCACCCGTGTTCCCTTTGGAAAAACAAGGACTACATC  
 AACGCTAGTTACATTAGAATAGTAAATCATGAAGAAGAGTATTTTTATATCGCCACTCAAGGACCACTGC  
 CGGACACTATAGAAGACTTTTGGCAGATGGTTTTGGAAAAATAATTGTAATGTTATTGCTATGATAACCG  
 AGAGATAGAAGGTGGAGTTATCAAGTGTTGAGTACTGGCCGTTTCTCTGAAGGAGCCTTTGGAATTC  
 AAACACTTTCATGTCCTTCTGGAGAACTTTCAGATAAECTCAGTATTTTGTGTCATCCGAATATTTCAAATTG  
 TGAAGAAGTCCACAGGAAAGAGTCACTCTGTAACACTTGCAGTTCATCAAATGGCCAGACCATGGCAC  
 TCCTGCCTCAGCAGATTTTTTCATCAAATATGTCGTTATGTGAGGAAGAGCCACATTACAGGACCCCTC  
 CTTGTCCACTGCAGTGCTGGTGTAGGCCGAACAGGGGTGTTTCATATGTGTGGATGTTGTGTTCTGTACCA  
 TCGAGAAGAACTACTCATTCAACATCATGAACATAGTGACCCAGATGAGAAAGCAGCGCTTCGGCATGAT  
 TCAAACCAAGGAGCAGTATCAGTCTGTTACGAGATTGTGCTTGAAGTTCTTCAGAATCTCTGGCTTTG  
 AATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001080149
<b>Insert Size:</b>	1266 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>	<u><a href="#">NM_001080149.1</a></u> , <u><a href="#">NP_001073618.1</a></u>
<b>RefSeq Size:</b>	3040 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	306281
<b>UniProt ID:</b>	<u><a href="#">A1L1L3</a></u>
<b>Cytogenetics:</b>	16p16
<b>Gene Summary:</b>	Tyrosine-protein phosphatase targeted to sites of actin polymerization in response of varied extracellular stimuli. Has tyrosine phosphatase activity towards various tyrosyl phosphorylated substrates (By similarity).[UniProtKB/Swiss-Prot Function]