

## Product datasheet for **RN217378**

### **Ptprh (NM\_001191945) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptprh (NM_001191945) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptprh
Synonyms:	Bem2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217378 representing NM\_001191945

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCAGAGCTGGTGGAACTGTGGGTTTGGGGAGCTTGGTGTCTATTGGGTTTGTGGTTGTCTG  
TGGTCCGACGGCTGGCACCAGGTACAGTGGATAGACTTGGCTCTGCCTCATCTATGAATTTCCGT  
GTGGGCAGAGAAAAGATGGAGTCAGCGGCTCCCCACAGACGCTCATAGCCACCACGCTCCAAACCCAGT  
AGAAACCTGAGGGTGAAGGTCAGAACACGACCTCCATCAGCCTGAGCTGGGACCCTCTGAGAATCCT  
CCTCGCAGGACCTCACCTACTGGGCGCAGTGCATCAGATATGATGGTCAAAATGAGACCCGGCATA  
AGACACCAGAGTCACTGTGGATGGACTTGCCTGGGACTTCATATGAATGCTCTGTGAGAGTGGAGAAG  
GATGGCGTCTACAGCACTGGGAGACAAAAATACCACAACAGCTCCAAACCCAGTGAGAAACCTGAGGG  
TCGAAGGTGAGAACACGACCTCCATCAGCCTGAGCTGGGACCCTCTGAGAATCCTCCTCGCAGGACCT  
CACCTACTGGGCGCAGTGCATCAGATATGATGGTCAAAATGAGACCCGGCATAAAAAGACACCAGAGTC  
TCTGTGGATGGACTTGCCTGGGACTTCATATGAATGCTCTGTGAGAGTGGAGAAGGATGGCGTCTACA  
GCACTTGGGAGACAAAAATACCACAACAGCTCCAAACCCAGTGAGAAACCTGAGGGTGAAGGTGAGAA  
CACCACCGCCATCAGCCTGAGCTGGGACCCTCCTGAGAATCCTCCTCGCAGGACCTCACCTACTGGGCG  
CAGTGCATCGGATATGATGGCAAAATGAGACCCGGCATAAAAAGACACCAGAGTCACTGTGGATGGAC  
TTGATCCTGGGACTTCATATGAATGCTCTGTGAGAGTGGAGAAGGATGGCGTCTACAGCACTTGGGAGAC  
AAAAATACCACAACAGCTCCAAACCCAGTGAGAAACCTGAGGGTGAAGGTGAGAACACCACCGCCATC  
AGCCTGAGCTGGGACCCTCCTGAGAATCCTCCTCGCAGGACCTCACCTACTGGGCGCAGTGCATCGGAT  
ATGATGGCAAAAAATGAGACCCGGCATAAAAAGACACCAGAGTCACTGGTGGATGGACTTGCCTGGGAC  
TTCATATGAATGCTCTGTGAGAGTGGAGAAGGATGGAGTCTACAGCACTTGGGAGACAAAAATACCACA  
ACAGTCCCATTTTCAGCTCCAAACCCAGTGAGAAACCTGAGGGTGAAGGTGAGAACACGACCTCCATCA  
GCCTGAGCTGGGACCCTCCTGAGAATCCTCCTCGCAGGACCTCACCTACTGGGCGCAGTGCATCAGATA  
TGATGGTCAAAATGAGACCCGGCATAAAAAGACACCAGAGTCTCTGTGGATGGACTTGCCTGGGACT  
TCATATGAATGCTCTGTGAGAGTGGAGAAGGATGGCGTCTACAGCACTTGGGAGACAAAAATACCACA  
CAGTACCAGTGTGTCAACATCACATCCTGCATCAGCACTTCTGGGGTTATGGGATCATCCTGACCTG  
GTCCTGCCATCTGGGAGTTATGAGACCTTTGAGGTGGAAGTGGGAGGAAAGTGGAGCTCCCAAAATGGA  
TCTTTGTGTGGGAAGGCATGACCGTGTAGATCTTGGCCAGCTCAGTCTATACAGCTACCGTACGCA  
CTGTCTAATAGCCTGAAGTCCAGTCTGCCCTGCAACCTGCCGCACAGAGAGTACAGCCGTCATTGC  
TGGAGCCATTGTAGGCATCCTCCTGCTTTTCATCCTGGTGGGCTGCTCATTGTCTTCTGAAGAGGAGG  
AGAAAGAAGCAGCAGCCAAAGGAAGTGCCCAAGGATCTGGTGTCCGCTTCCCAGGGGATATCCTGGCCA  
AAGACTTTGCTGACCATGTGAGGAGAAATGAAAAGGACAGCAACTGTGGATTTGCTGAGGAGTACCAGCA  
ATTGGCTCTGGAGGGCAAGGCCAGTCTCAGATGACAGCATTGGCTCTAGAGAATGTATCCAAGAACCGC  
TACAGGAATGTGCTGCCATGACTGGTCCCGGTTCCCTGCAGCCCTCCATGAGGAACCAAGGCTCAG  
ACTACATCAACGCCAGTTTTATGCCTGGTCTCTGGAGCCCCAAGGAGTTCATTGCAACCCAGGGTCCCCT  
GCCTCACACTGTGAGTGACTTCTGGCGAATGGTGTGGAAACAGCAGAGCCACACCCTGGTATGCTGGCC  
AACTGCATGGAGTCTGGACAGGTGAAGTGTGAGCATTACTGGCCCTGGATGCTCAGCCCTGCACCTATG  
GCCAGTGCAGGTGACGCTGTTAGTGAGGAGGTGACAGAGAAGTGGACAGTGGGCATCTTCAGCTCTT  
CCATATGAAAGAACAGCAGACTCTCTGTGCGCAATTCACACTACGTGGCCTGGCCAGATCACGGAGTT  
CCTTACTCCCCAGACCCCTTGTGGCTTCCAAAAGTTGCTTCGGCAATGGTTGGATCAGACCATGGATG  
GAGGTCGCCCATTTGTGCATTGCAGTGTGGTGTGGGCCGACGGGCACCCTCATTGCACTGGATGTCTCT  
GCTGCGGACGCTGGAGTGTGAGGGGCTGGTGGATCCCTCAGCTTTGTGAAGAAGATGAGAGAGAGCCGG  
CCATTGATGGTGCAGACAGAGGCCAGTATGTGTTTCTACATCAGTGCATCTTGGATCCCTCCAGAAGC  
CAGATCCAGCCCTCCCTGCAAAGGAGGCAACCTATGAGAAGCTGGCAAGCTTAGTTTATGAGAATGCATC  
CGCCATCAGGGCCATGAGTCTGAGGTCTCAGCTTCTGGGTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001191945
<b>Insert Size:</b>	2916 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_001191945.1, NP_001178874.1</u>
<b>RefSeq Size:</b>	3407 bp
<b>RefSeq ORF:</b>	2916 bp
<b>Locus ID:</b>	171125
<b>Cytogenetics:</b>	1q12
<b>Gene Summary:</b>	may act as a protein tyrosine phosphatase [RGD, Feb 2006]