

## Product datasheet for **MC209264**

### **Ptprr (NM\_001161839) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptprr (NM\_001161839) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ptprr  
**Synonyms:** Gmcp1; mPTP213; PTP-SL; PTPBR7; RPTPRR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209264 representing NM\_001161839  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATTATTTACAGGTTAAAAGAAAGGCTTCAGCTTTCCTTAAGACAAGATAAAGAGAAAAACCAGGAGA  
TCCACCTATCACCCATTGCACGGCAGCAAGCACAATCGGAGGCCAAGACGACCCACAGCATGGTCCAGCC  
CGATCAGGCGCCAAAGGTGCTGAACGTGGTTGTGGACCCTCAAGGCCAATGCACTCCTGAGATTCGAAAC  
AGCACCTCCACCTCTGTCTGCCCTTCTCCCTCAGAATGAAGCCATAGGACTCCAGGAGCGACGAGGTT  
CCAATGTATCTTACGCTGGACATGAGTAGCCTGGGCGAGTGTGGAACCTTTGTGGCCGCTCAACCCC  
CCGGGAGAAGGTAGCCATGGAATACCTGCAGTCAGCCAGCCGAGTTCTCACACGGTCACAGCTGAGGGAC  
GTCGTGGCAAGTCCCACCTACTTCAAAGTGAATTCATGGAAATACCAATGAATTTGTGGATCCCAAAG  
AAATTGATATCCACGTCACGGAATAAAAAATCGTTATAAGACCATTTTGCCAAATCCCCTCAGCAGAGT  
GTGCTTAAGACCAAAAAATAAACCATTCTTGAGTACTTACATAAATGCTAACTATATCGGGGCTAC  
AGTGGTAAGGAGAAAGCCTTCATTGCCACCCAGGGCCCATGATCAACACTGTGAATGACTCTGGCAGA  
TGGTGTGGCAAGAAGACAGTCCCGTGATTTGTGATGATCACGAACTCAAAGAGAAAAATGAGAAATGTGT  
GCTCTACTGGCCAGAAAAGAGAGGGATTTACGGCAAGTTGAGGTTCTGGTCACCGGTGTGACCGAATGT  
GATAACTACACCATCCGCAACCTCGTCTTAAAGCAAGGAAGTCACACCCAACATGTAAGCACTACTGGT  
ACACTTATGGCCGGATCATAAGACTCCAGACAGTGCCAGCCCTTCTGCAGCTCATGTTGGATGTGGA  
AGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGGTTGTCCACTGCAGTGCGGGGATTGGGAGAACT  
GGGTGTTTCATCGCTACATCCATTGGCTGTCAACAATTGAAAGAAGAAGGAGTTGTAGACGCACTAAGTA  
TTGTCTGCCAGCTTCGTGTAGACAGGGTGGTATGGTCCAACCAGCGAGCAGTATGAATTTGTGCCA  
TGCTCTGTGCCTGTTGAGAGCAGACTTCCACAGAACTGTCGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001161839
<b>Insert Size:</b>	1239 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_001161839.1</a></u> , <u><a href="#">NP_001155311.1</a></u>
<b>RefSeq Size:</b>	2508 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	19279
<b>UniProt ID:</b>	<u><a href="#">Q62132</a></u>
<b>Cytogenetics:</b>	10 D2
<b>Gene Summary:</b>	<p>Sequesters mitogen-activated protein kinases (MAPKs) such as MAPK1, MAPK3 and MAPK14 in the cytoplasm in an inactive form. The MAPKs bind to a dephosphorylated kinase interacting motif, phosphorylation of which by the protein kinase A complex releases the MAPKs for activation and translocation into the nucleus. Isoform gamma may have a role in patterning and cellular proliferation of skeletal elements in the precartilaginous/cartilaginous skeleton.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.</p>