

## Product datasheet for **MC228260**

### **Ptprr (NM\_001161837) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_001161837) 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



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**Fully Sequenced ORF:** >MC228260 representing NM\_001161837  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATCGCAACACTCGGTCAGTTTCCACACCGACTGCAAATGGATATAACCAAGCTGAACATAACCC  
 TGCTTCGGATCTTCCGCCAAGGAGTAGCTGCAGCCCTGGGACTCTTACCTCAGCAAGTGCACATTAACCG  
 GCTCATTGAAAAGAAGAACCAGGTTGAGTTGTTTGTGTCTCCCGAAAACCGAAAACAGGAGAAACGCAG  
 GCCCTGCAGGCTGAGGAAGTGTGCGTTCCCTCAATGTGGATGGTTTGCATCAGAGTTTACCACAGTTTG  
 GAATTACAGACGTCGCCCTGAGAAAAATGTTTTACAAGGCGAGCACGAAGCAGACAAGTCTGGAGCAA  
 AGAAGGATTTTACGCTGTCGTCATCTTCTCAGCATCTTATCATCATAGTAACCTGTTTGTGATTATT  
 TACAGGTTAAAAGAAAGGCTTCAGCTTTCCTTAAGACAAGATAAAGAGAAAAACCGAGATCCACCTAT  
 CACCCATTGCACGGCAGCAAGCACAATCGGAGGCCAAGACGCCACAGCATGGTCCAGCCCGATCAGGC  
 GCCAAAGGTGCTGAACGTGGTTGTGGACCCTCAAGGCCAATGCACTCCTGAGATTCGAAACAGCACCTCC  
 ACCTCTGTCTGCCCTTCTCCCTCAGAATGAAGCCCATAGGACTCCAGGAGCGACGAGGTTCCAATGTAT  
 CTCTTACGCTGGACATGAGTAGCCTGGGCAAGTGTGGAACCTTTGTGGCCGTCTCAACCCCCGGGAGAA  
 GGTAGCCATGGAATACCTGCAGTCAGCCAGCCGAGTTCTCACACGGTACAGCTGAGGGACGTCGTGGCA  
 AGTTCCACCTACTTCAAAGTGAATTCATGGAAATACCAATGAATTTTGTGGATCCCAAAGAAATGATA  
 TTCCACGTCACGGAACAAAAATCGTTATAAGACCATTTTGCCAAATCCCTCAGCAGAGTGTGCTTAAG  
 ACCAAAAATATAACCGATTCTTGAGTACTTACATAAATGCTAACTATATTCGGGGCTACAGTGGTAAG  
 GAGAAAGCCTTCATTGCCACCCAGGCCCATGATCAACACTGTGAATGACTTCTGGCAGATGGTGTGGC  
 AAGAAGACAGTCCCGTGATTGTGATGATCACGAACTCAAAGAGAAAAATGAGAAATGTGTCTACTG  
 GCCAGAAAAGAGAGGGATTTACGGCAAGGTTGAGGTTCTGGTCACCGGTGTGACCGAATGTGATAACTAC  
 ACCATCCGCAACCTCGTCTTAAAGCAAGGAAGTACACCCAACATGTGAAGCACTACTGGTACATTCAT  
 GGCCGGATCATAAGACTCCAGACAGTGCCAGCCCTTCTGCAGCTCATGTTGGATGTGGAAGAAGACAG  
 ACTGGCCTCTGAAGGCCGAGGCCCTGTGGTTGTCCACTGCAGTGCGGGATTGGGAGAAGTGGTGTTC  
 ATCGCTACATCCATTGGCTGTCAACAATTGAAAGAAGAAGGAGTTGTAGACGCCTAAGTATTGTCTGCC  
 AGCTTCGTGTAGACAGGGGTGGTATGGTCAAACCAGCGAGCAGTATGAATTTGTGCACCATGCTCTGTG  
 CCTGTTGAGAGCAGACTTCCACGAAACTGTGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001161837
- Insert Size:** 1650 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001161837.1](#), [NP\\_001155309.1](#)

**RefSeq Size:** 2860 bp

**RefSeq ORF:** 1650 bp

**Locus ID:** 19279

**UniProt ID:** [Q62132](#)

**Cytogenetics:** 10 D2

**Gene Summary:** 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]

Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) has a shorter and distinct N-terminus compared to isoform a.