

Product datasheet for **MC220166**

Ptprr (NM_011217) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_011217) 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: >MC220166 representing NM_011217
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGAGAGCGGTCGGCTTCCCTGCGCTGTGCCTGCTTCTTAATCTTCATGCTGCAGGTTGTTTTCCA
 GAAACAATGATCACTTTTTGGCTATTCGTCAAAGAAGAGTTGGAAGCCGGTGTTCAATTTATGACCATTC
 ACAGGATATCAAGAAGAGCCTGGACATCGCACAAAGAGGCATACAAACATAACTACCACTCCCTTCCGAA
 GTTCAAATAAGCAAACATCACCAGATTATAATTCAGCATTTCCTAGACCTGCATATGACCCGTCTCTTA
 ATCTGTTGGCTGAGTCTGATCAAGATCTTGAAATAGAAAATCTCCAATTCAGCAGCAAATGTGATTGT
 GGTGACACTGCAAATGGATATAACCAAGCTGAACATAACCCTGCTTCGGATCTTCCGCCAAGGAGTAGCT
 GCAGCCCTGGGACTTTACCTCAGCAAGTGCACATTAACCGGCTCATTGAAAAGAAGAACCAGGTTGAGT
 TGTTTGTGTCTCCCGAAACCGAAACCGAGGAAACCGAGGCCCTGCAGGCTGAGGAAGTCTGCGTTC
 CCTCAATGTGGATGGTTGCATCAGAGTTTACCACAGTTTGAATTACAGACGTCGCCCCGAGAAAAAT
 GTTTTACAAGGGCAGCACGAAGCAGACAAGATCTGGAGCAAAGAAGGATTTACGCTGTCGTCATCTTCC
 TCAGCATCTTTATCATATAGTAACCTGTTTGATGATTATTTACAGGTTAAAAGAAGGCTTCAGCTTTC
 CTTAAGACAAGATAAAGAGAAAAACCAGGAGATCCACCTATCACCATTCAGCAGCAAGCACAATCG
 GAGGCCAAGACGACCCACAGCATGGTCCAGCCGATCAGGCGCCAAGGTGCTGAACGTGGTTGTGGACC
 CTCAAGGCCAATGCACTCCTGAGATTCGAAACAGCACCTCCACCTCTGTCTGCCCTTCTCCCTTCAGAA
 GAAGCCATAGGACTCCAGGAGCGACGAGGTTCCAATGTATCTTACGCTGGACATGAGTAGCCTGGGC
 AGTGTGGAACCCTTTGTGGCCGTCTCAACCCCGGGAGAAGGTAGCCATGGAATACCTGCAGTCAGCCA
 GCCGAGTTCTCACACGGTCACAGCTGAGGGACGTCGTGGCAAGTCCCACCTACTTCAAAGTGAATTCAT
 GGAAATACCAATGAATTTTGTGGATCCCAAAGAAATTGATATTCCAGTCACGGAACAAAAATCGTTAT
 AAGACCATTTTGCCAAATCCCCTCAGCAGAGTGTGCTTAAGACCAAAAAATAAACCATTCTTGAGTA
 CTTACATAAAATGCTAACTATATTCGGGGCTACAGTGGTAAGGAGAAAGCCTTCATTGCCACCCAGGGCCC
 CATGATCAACTGTGAATGACTTCTGGCAGATGGTGTGGCAAGAAGACAGTCCCGTGATTGTGATGATC
 ACGAAACTCAAAGAGAAAAATGAGAAATGTGTGCTCTACTGGCCAGAAAAGAGAGGGATTACGGCAAGG
 TTGAGGTTCTGGTCACCGGTGTGACCGAATGTGATAACTACACCATCCGCAACCTCGTCTTAAAGCAAGG
 AAGTCACACCCAACATGTGAAGCACTACTGGTACACTTCATGGCCGGATCATAAGACTCCAGACAGTGCC
 CAGCCCCCTTCTGCAGCTCATGTTGGATGTGGAAGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGG
 TTGTCCACTGCAGTGCAGGGATTGGGAGAACTGGGTGTTTCATCGCTACATCCATTGGCTGTCAACAATT
 GAAAGAAGAAGGAGTTGTAGACGCACTAAGTATTGCTGCCAGCTTCGTGTAGACAGGGGTGGTATGGTC
 CAAACCAGCGAGCAGTATGAATTTGTGCCATGCTCTGTGCCTGTTTCGAGAGCAGACTTTCACCAGAAA
 CTGTCGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_011217
- Insert Size:** 1971 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).
- 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_011217.2](#), [NP_035347.1](#)

RefSeq Size: 3466 bp

RefSeq ORF: 1971 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 (1) represents the longest transcript and encodes the longest isoform (a).