

## Product datasheet for MR221795

### Ptprr (NM\_001161840) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_001161840) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprr
Synonyms:	Gmcp1; mPTP213; PTP-SL; PTPBR7; RPTPRR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221795 representing NM_001161840 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTATTTACAGGTTAAAAGAAAGGCTTCAGCTTTCCTTAAGACAAGATAAAGAGAAAAACCAGGAGA  
TCCACCTATCACCATTGCACGGCAGCAAGCACAATCGGAGGCCAAGACGACCCACAGCATGGTCCAGCC  
CGATCAGGCGCAAAGGTGCTGAACGTGGTTGTGGACCTCAAGGCCAATGCACTCCTGAGATTCGAAAC  
AGCACCTCCACCTCTGTCTGCCCTTCTCCCTTCAGAATGAAGCCCATAGGACTCCAGGAGCGACGAGTT  
CCAATGTATCTTACGCTGGACATGAGTAGCCTGGGCAGTGTGGAACCTTTGTGGCCGTCTCAACCCC  
CCGGGAGAAGGTAGCCATGGAATACCTGCAGTCAGCCAGCCGAGTTCTCACACGGTCACAGCTGAGGGAC  
GTCGTGGCAAGTCCACCTACTTCAAAGTGAATTCATGGAAATACCAATGAATTTGTGGATCCCAAAG  
AAATTGATATCCACGTCACGGAATAAAAAATCGTTATAAGACCATTTTGCCAAATCCCCTCAGCAGAGT  
GTGCTTAAGACCAAAAAATAAACCATTCTTGAGTACTTACATAAAATGCTAACTATATTCGGGGCTAC  
AGTGGTAAGGAGAAAGCCTTCATTGCCACCCAGGGCCCATGATCAACACTGTGAATGACTTCTGGCAGA  
TGGTGTGGCAAGAAGACAGTCCCGTGATTGTGATGATCACGAACTCAAAGAGAAAAATGAGAAATGTGT  
GCTCTACTGGCCAGAAAAGAGAGGGATTACGGCAAGGTTGAGGTTCTGGTCACCGGTGTGACCGAATGT  
GATAACTACCCATCCGCAACCTCGTCTTAAAGCAAGGAAGTCAACCCAAACATGTGAAGCACTACTGGT  
ACACTTCATGGCCGATCATAAGACTCCAGACAGTGCCAGCCCTTCTGCAGCTCATGTTGGATGTGGA  
AGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGGTTGTCCACTGCAGTGCGGGATTGGGAGAACT  
GGGTGTTTCATCGCTACATCCATTGGCTGTCAACAATTGAAAGAAGAGGAGTTGTAGACGCACTAAGTA  
TTGTCTGCCAGCTTCGTGTAGACAGGGTGGTATGGTCCAAACCAGCGAGCAGTATGAATTTGTGCACCA  
TGCTCTGTGCCTGTTGAGAGCAGACTTCCACCAGAACTGTCCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001161840.1](#), [NP\\_001155312.1](#)

**RefSeq Size:** 2700 bp

**RefSeq ORF:** 1239 bp

**Locus ID:** 19279

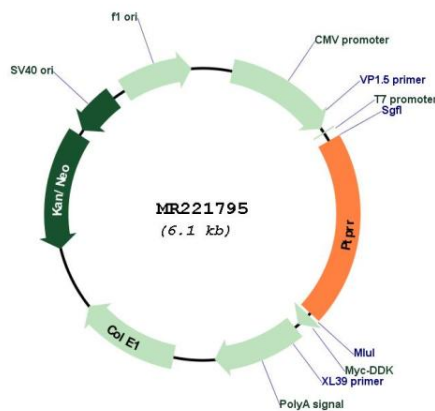
**UniProt ID:** [Q62132](#)

**Cytogenetics:** 10 D2

**MW:** 47 kDa

**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]

**Product images:**



Circular map for MR221795