

## Product datasheet for **RR200244**

### **Ptprr (NM\_001113390) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_001113390) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprr
Synonyms:	PC12-PTP1; Pcptp1; R-PTP-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR200244 representing NM\_001113390  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATATAGACAAGCTGAACATAACCTTGCTTCGGATCTCCGCCAAGGAGTAGCTGCAGCCCTGGGAC  
 TCTTACCTCAGCAAGTACACATCAACCGCCTCATTGAAAAGAAGAGCCAGATTGAGTTGTTGTGTCTCC  
 CGGAAACCGGAAACAGGAGAGCCGAGGCCCTGCAGGCTGAGGAAGTACTGCGTCCCTTAATGTGGAT  
 GTTTTGGCTCAGAGTTTACCACAGTTTGAATTATAGACGTCTCCCTGAGAAAAATGTTTACAAAGGGC  
 AGCATGAAGCGGACAAGATCTGGAGCAAAGAAGGCTTTACGCCGTCGTATCTTCTCAGCATCTTTAT  
 CATTATAGTAACCTGTTGATGATCATTATAGGTTAAAAGAAAGGCTTCAGCTTTCCTTACGACAAGAT  
 AAAGAGAAAAACAGGAGATCCACCTATCGCCATTGCACTCCAGCAAGCACAATCGGAGGCCAAGGCAG  
 CCCACAGCATGGTCCAGCCGACCAGGCCAAAGGTGCTGAATGTTGTTGTGGACCTCAAGGCCAATG  
 CACTCCTGAGATTCGAAACACCGCTCCACTTCTGTCTGCCCTTCTCCCTCAGGATGAAGCCCATAGGA  
 CTCCAGGAGCGACGAGGTTCCAATGTATCTTACACTGGACATGAGTAGCCTGGCAACGTGGAACCCCT  
 TTGTGGCCGCTCTCCACCCCGGGAGAAGGTAGCCATGGAGTACCTGCAGTCAGCCAGCCGAGTTCTCAC  
 AAGGCCACAGCTGAGGGACGTCGTGGCAAGTCCACCTGCTTCAAAGTGAATTCATGGAATACCAATG  
 AACTTTGTGGATCCCAAAGAAATGATATTCCACGTGATGGAACATAAAATCGTTATAAGACCATTTTGC  
 CAAATCCCCTCAGCAGGGTGTGCTTAAGACAAAAAATAAAGTACCCATTGAGTACTTACATCAATGC  
 TAATTACATTCGGGGCTACAGTGGCAAGGAGAAAGCCTTATTGCCACACAGGGCCCCATGATCAACT  
 GTGAATGACTTCTGGCAGATGGTTTGGCAAGAAGACAGTCCTGTGATTGTTATGATCACGAACTCAAAG  
 AGAAAAATGAGAAATGTGTGCTACTGGCCAGAAAAGAGAGGGATTTACGGCAAGGTTGAGGTTCTGGT  
 CATCGGTGTCATGAATGTGATAACTACCCATCCGCAACCTCGTCTTGAAGCGAGGAAGTACACCCAA  
 CATGTGAAGCATTACTGGTACACTTCATGGCCGATCACAAAGACTCCAGACAGTCCCAGCCCTTCTGC  
 AGCTCATGCTGGACGTAGAGGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGGTTGTCCACTGCAG  
 TGCAGGGATTGGGAGAACCAGGATGTTTCATCGCTACATCCATTGGCTGTCAACAGTTGAAAGAAGAAGGA  
 GTCGTAGATGACTAAGTATCGTCTGCCAGTTCGTGTAGACAGGGGTGGAATGGTCCAAACAGTGAAGC  
 AGTATGAATTTGTGACCACGCTCTGTGCTGTTCGAGAGCAGACTTTCGCCAGAAACGGTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200244 representing NM\_001113390  
 Red=Cloning site Green=Tags(s)

MDIDKLNITLLRIFRQGVAAALGLLPQVHINRLIEKKSQIELFVSPGNRKPGEQALQAEVLRSLNVD  
 VLRQSLPQFGIIDVSPEKNVLQGQHEADKIWSKEGFYAVVIFLSIFIIIVTCLMIIYRLKERLQLSLRQD  
 KEKNQEIHLSPIALQQAQSEAKAAHSMVQPDQAPKVLNVVDPQGQCTPEIRNTASTSVCPSPFRMKPIG  
 LQERRGSNVSLTDMSSLGNVEPFVAVSTPREKVAMEYLQASRVLTRPQLRDVVASSHLLQSEFMEIPM  
 NFVDPKEIDIPRHGTKNRYKTIIPNPLSRVCLRPKNITDPLSTYINANYIRGYSGKEKAFIATQGPMINT  
 VNDFWQMVWQEDSPVIVMITKLKEKNEKCVLYWPEKRGIVGKVEVLVIGVNECDNYTIRNLVLRKGSHTQ  
 HVKHYYWTSWPDHKTQSAQPLQLMLDVEEDRLASEGRGPVVVHCSAGIGRTGCFIATSIGCQQLKEEG  
 VVDALSIVCQLRVDRGGMVQTSQYEFVHHALCLFESRLSPETVQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001113390

ORF Size: 1605 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001113390.1](#), [NP\\_001106861.1](#)

RefSeq Size: 2869 bp

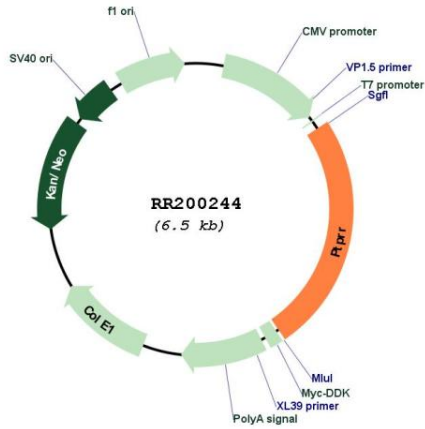
RefSeq ORF: 1608 bp

Locus ID: 94202

UniProt ID: [O08617](#)

**Cytogenetics:** 7q22  
**MW:** 60.4 kDa  
**Gene Summary:** may play a role in neuronal growth and differentiation [RGD, Feb 2006]

**Product images:**



Circular map for RR200244