

Product datasheet for **RR200243**

Ptprr (NM_053594) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_053594) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200243 representing NM_053594
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGAGCGGTTCGGTTCCCTGCACCTGTGCCTGCTTCTTAATCTTCACGCTGCAGGGTGTTCCTCA
 GGAACAATGACCACTTTTGGCTATTCGTCAAAGAAGAGTTGGAAACCCATGTTCAATTTATGACCATTC
 CCAAGACATTAAGAAGAGCCTGGATATCGCTCAAGAGGCATATAAACACAACCTACCCCGCCCCCTCAGAA
 GTTCAAATAAGCAAACGTCACCAGATCGTTGATTGAGCATTCTCAGACCTGCATATGACCCATCTCTTA
 ATCTGTTGGTGCATCTGGTCAAGACCTCGAAATAGAAAATCTCCCAATCCAGCAGCAAATGTGATTGT
 GGTGACACTGCAAATGGATATAGACAAGCTGAACATAACCTTGCTTCGGATCTTCCGCCAAGGAGTAGCT
 GCAGCCCTGGGACTTTACCTCAGCAAGTACACATCAACCGCCTCATTGAAAAGAAGAGCCAGATTGAGT
 TGTTTGTGTCTCCCGAAACCGAAACCGAGGAGCCCGAGGCCCTGCAGGCTGAGGAAGTACTGCGTTC
 CCTAATGTGGATGTTTTGCGTCAGAGTTTACCACAGTTTGAATTATAGACGTCTCCCTGAGAAAAAT
 GTTTTACAAGGGCAGCATGAAGCGGACAAGATCTGGAGCAAAGAAGGCTTTTACGCCGTCGTCATCTTCC
 TCAGCATCTTTATCATTATAGTAACCTGTTTGTGATCATTTATAGGTTAAAAGAAGGCTTCAGCTTTC
 CTTACGACAAGATAAAGAGAAAAACCGAGGATCCACCTATCGCCATTGCACTCCAGCAAGCACAATCG
 GAGGCCAAGGCAGCCACAGCATGGTCCAGCCGACCAGGCGCAAGGTGCTGAATGTTGTTGTGGACC
 CTCAAGGCCAATGCACTCCTGAGATTCGAAACCCGCCTCCACTTCTGTCTGCCCTTCTCCCTCAGGAT
 GAAGCCCATAGGACTCCAGGAGCGACGAGGTTCCAATGTATCTTACTGACATGAGTAGCCTGGGC
 AACGTGGAACCTTTGTGGCCGTCTCACCCCGGGAGAAGGTAGCCATGGAGTACCTGCAGTCAGCCA
 GCCGAGTTCTCACAAGGCCACAGCTGAGGGACGTCTGGCAAGTCCCACCTGCTTCAAAGTGAATTCAT
 GGAAATACCAATGAACCTTTGTGGATCCCAAAGAAATTGATATTCCACGTCATGGAACATAAAATCGTTAT
 AAGACCATTTTGCCAAATCCCCTCAGCAGGGTGTGCTTAAGACCAAAAAATATAACTGACCCATTGAGTA
 CTTACATCAATGCTAATTACATTCGGGGCTACAGTGGCAAGGAGAAAGCCTTCATTGCCACACAGGGCCC
 CATGATCAACACTGTGAATGACTTCTGGCAGATGGTTTGGCAAGAAGACAGTCTGTGATTGTTATGATC
 ACGAAACTCAAAGAGAAAAATGAGAAATGTGTGCTCTACTGGCCAGAAAAGAGAGGGATTTACGGCAAGG
 TTGAGGTTCTGGTCATCGGTGTCAATGAATGTGATAACTACCCATCCGCAACCTCGTCTTGAAGCGAGG
 AAGTCACACCCAAACATGTGAAGCATTACTGGTACACTTCATGGCCGATCACAAGACTCCAGACAGTGCC
 CAGCCCCCTTCTGCAGCTCATGCTGGACGTAGAGGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGG
 TTGTCCACTGCAGTGCAGGGATTGGGAGAACCGGATGTTTCATCGCTACATCCATTGGCTGTCAACAGTT
 GAAAGAAGAAGGAGTCGTAGATGCACTAAGTATCGTCTGCCAGCTTCGTGTAGACAGGGGTGGAATGGTC
 CAAACCAAGTGCAGTATGAATTTGTGCCACCACGCTCTGTGCCTGTTTCGAGAGCAGACTTTCGCCAGAAA
 CCGTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200243 representing NM_053594
Red=Cloning site Green=Tags(s)

MRRAVGFPALCLLLNLHAAGCF SRNDHFLAIRQKKS WKPMFIYDHSQDIKSLDIAQEAYKHNPAPSE
 VQISKRHQIVDSAFP RPAYDPSLNLLAASGQDLEIENLP IAPANVIVVTLQMDIDKLNITLLRIFRQGVA
 AALGLLPQVHINRLIEKKSQIELFVSPGNRKPGE PQALQAEVLRSLNVDVLRQSLPQFGIIDVSPEKN
 VLQSQHEADKIWSKEGFYAVVIFLSIFIIIVTCLMIIYRLKERLQLSLRQDKEKNQEIHLSPIALQQAQS
 EAKAAHSMVQPDQAPKVLNVVDPQGQCTPEIRNTASTSVCPSPFRMKPIGLQERRGSNVSLTLDMSLGLG
 NVEPFVAVSTPREKVAMEYLQSASRVLTRPQLRDV VASSHLLQSEFMEIPMNFVDPKEIDIPRHGTKNRY
 KTILPNPLSRVCLRPKNITDPLSTYINANYIRGYS GKEKAFIATQGPMINTVNDFWQMVMWQEDSPVIVMI
 TKLKEKNEKCVL YWPEKRG IYGVKVEVLVIGVNECDNYTIRNLVLRKGSHTQHVKHYYWTSWPDHKTPDSA
 QPLLQLMLDVEEDRLASEGRPVVVHCSAGIGRTGCFIATSIGCQQLKEEGVVDALSIVCQLRVDRGMV
 QTSEQYEFVHHALCLFESR LSPETVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053594

ORF Size: 1968 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_053594.2](#), [NP_446046.2](#)

RefSeq Size: 3578 bp

RefSeq ORF: 1971 bp

Locus ID: 94202

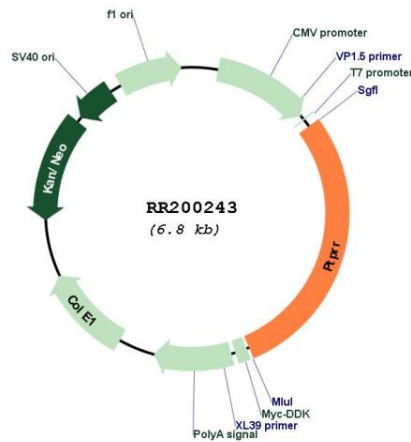
UniProt ID: [O08617](#)

Cytogenetics: 7q22

MW: 74 kDa

Gene Summary: may play a role in neuronal growth and differentiation [RGD, Feb 2006]

Product images:



Circular map for RR200243