

Product datasheet for RN217627

Ptpru (NM_001191575) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptpru (NM_001191575) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptpru
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217627 representing NM_001191575
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGATCGCC

ATGGCCCCGAGCTCAGGCTCTGGTCTGGCGCTCACCTCCAGTCTGCGCGCCCCGAGACCGAGACTCCCC
 CAGCTGGCTGCACCTTCGAGGAGGCGAGTGACCCGGTTGTGCCCTGCGAGTTCAGCCAGGCTCAGTATGA
 TGACTTCCAGTGGGAGCAAGTACGGATCCACCCTGGCACCCGGACCCCTGCAGACCTGCCCATGGTGCC
 TACTTGATGGTTAATGCTTCCCAGCATGCTCCAGGCCAGAGGGCCATATCATCTTCCAGACCCTGAGCG
 AGAACGACACCCACTGTGTGCAGTTCAGCTACTTCTGTTTAGCCGGGATGGGCACAGCCAGGCCACCCCT
 GGGCGTCTATGTGCGTGTGAACGGGGCCCTCTGGGCAGTGCCGTGTGGAATATGACTGGATCCCACGGC
 CGTCAGTGGCATCAGGCTGAAGTGGCTGTGAGCACCTTCTGGCCCAATGAGTATCAGGTGCTGTTTGAGG
 CTCTCATCTCCCAGACCATAAGGGCTACATAGGCTTAGATGACATCTTGCTATTCAGCCATCCCTGCGC
 GAAGGCCCTCACTTCTCCGCTTGGAGACGTGGAGGTCAATGCGGGCCAGAATGCATCCTTCCAATGC
 ATGGCAGCAGGCAGAGCTGCAGAGGCAGAGCGTTTCTTCTGACGCGGCAGAGTGGGGTCTAGTGCCTG
 CGGCTGGGGTGGCCACATCAGTCACCGTCGTTCTTCTGGCCACTTTTCCACTGGCCTCTGTAGGCCGCTC
 GGAGCAGGATCTGTACCGTTGCGTGTCCAGGCCCGCGCGGTGCTGGAGTCTCCAACCTCGCAGAGCTC
 ATCGTCAAAGAGCCTCCACCCCATCGCGCCCCACAGCTGCTGCGTGCAGGCCCCACCTACCTCATCA
 TCCAGCTCAACACCAACTCCATCATTGGCGACGGGCCGATCGTGCGCAAGGAGATCGAGTACCGAATGGC
 ACGGGGCCCGTGGGCCGAGGTTACGCTGTCAACCTGCAGACCTACAAGCTGTGGCATCTAGACCCGGAC
 ACTGAGTATGAGATCAGCGTGTGTTACCCGCCCGGGAGATGGAGGCACAGGCCGCCAGGGCCACCAC
 TGCTCAGCCGGACCAAGTGGCAGAGCCACGAGGGCCCCAAGGGCCTGGCTTTTGTGAGATCCAGGC
 TCGTCACTGACCCTGCAGTGGGAGCCCTGGGCTACAATGTACGCGTTGTACACCTATGCTGTGTCC
 CTTTGTATCACTACACCCTGGGCGGCAGCCACAACCAGACCATCCGGGAGTGTGTGAAGATGGAGCGGG
 GCGCCAGCCGCTACACCATCAAGAATCTGCTGCCGTTACGGAAGTCCACGTGCGTCTGATTCTCACAAA
 CCCTGAGGGGCGCAAGGAGGGCAAGGAGGTACCTTCCAGACAGATGAAGATGTCCCTGTTGGGATCGCC
 GCTGAGTCTCTCACCTTCAACCCACTAGAGGACATGATCTTTCTCAAGTGGGAGGAGCCCCAGGAACCCA
 ATGGCCTCATCACTCAGTATGAGATCAGCTACCAAAGCATTGAGTCTCAGACCCAGCGGTGAACGTGCC
 CGGCCGAGACGCACCATCTCCAACCTCCGAAATGAGACTTACCATGTCTTCTCAACCTGCAACCCGGC



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ACCACATACCTGTTCTCTGTGCGTGTCTCGTACAAGCAAGGGCTTTGGCCAGGCGGCTCTCACCGAGATAA
 CCACCAACATCTCAGCACCCAGCTTTGATTATGCCGACATGCCGTCAACCCTGGGCGAGTCTGAGAACAC
 CATCACTGTGCTGTTGAGGCCGGCCAGGGCCGAGGAGCACCCATCAGCGTCTACCAGGTGGTTGTGGAG
 GAAGAGCGGCCACGGCGCTTGCGGCGCAGCCTGGAGGTGAGGACTGCTTCTCGGTACCTCTGACCTTTG
 AGACGGCCCTGGCTCGCGGCTGGTGCCTACTTTGGGGCTGAACTGGCTGCCAGCAGCCTGCTTGGAGC
 CATGCCCTTCACTGTGGGTGACAACCAGACCTATCGTGGCTTCTGGAACCCACCCTTGAGCCAGGAAG
 GCCTACCTCATCTATTTCCAGGCAGCGACCCACTGAAAGGGGAAACCCGACTGAACTGCATCCGATTTG
 CCAGGAAAGCTGCGTGCAAGGAGAGCAAGCGACCCCTCGAAGTGTCCAGAGGTGCGAGGAGATGGGGCT
 CATCCTGGGTATCTGTGCAGGTGGCCTTGCCTCCTATTCTCCTCCTGGGCGCCATCATTATCATCATC
 CGTAAAGGGAGGGACCGCTATGCCTACTTACTACCCGAAGCCAGTGAACATGGCAAAAGCCACGGTCA
 ACTATCGCCAGGAGAAGACCCACATGATGACTGCTGTGGACCGTAGTTCACAGATCAGAGCACTCTGCA
 GGAGGATGAGCGGCTGGGCTGTCTTTCATGGATGCTCCTGGCTACAGCCCTCGGGGAGACCAGAGAAGC
 AGTGGGGTCACTGAGGCCAGTAGCCTCCTGGGGGCTCTCCTCGGCGCCCTGTGGCCGGAAGGGCTCCC
 CGTATCACACAGGGCAGCTTACCCTGCAGTACGAGTGGCTGACCTGCTGCAGCAGTCAACCAGATGAA
 GACAGCCGAGGGCTACGGCTTCAAGCAAGAGTACGAGAGTTTCTTTGAAGGCTGGGATGCCACCAAGAAG
 AAAGACAAGCTGAAGAGCGGCCGCGAGGAGCCAGTGTCTGCCTATGACCAGACCCGAGTGAAGCTGCACC
 CGATGTGGGAGACCCTGATGCCGACTACATCTCTGCCAACTACATAGACGGCTACCACAGGTCAAACCA
 CTTATAGCCACTCAAGGGCCAAAGCCTGAGATGATCTACGACTTCTGGCGCATGGTGTGGCAGGAGCAG
 TGTGTGAGCGTCGTATGATCAGCAAGCTGGTAGAGGTGGGACAGGGTAAAGTGTCTCGATACTGGCCCG
 AGGACTCAGACATGTATGGGGACATCAAGTACAGCTGGTAAAGACAGAGACTGGCTGAGTACGTGGT
 GCGCACCTTTGCCCTGGAGCGGAGAGGTTACTCAGCCCGCATGAGGTCCGCCAGTTCACCTTACAGCG
 TGGCCAGAGCATGGTGTTCCTACCATGCCACGGGGCTGCTGGCCTTTCATCCGGCGCTGAAGGCTTCCA
 CTCCACCTGATGCTGGGCTGTTGTCTTCACTGCAGTGCAGGCACTGGCCGACAGGCTGTACATCGT
 CTTGGATGTGATGCTGGACATGGCTGAGTGTGAGGGGGTGTGGACATTTACAAGTGCCTGAAGACCTC
 TGTTCCCGCGGGTCAACATGATCCAGACCGAGGAACAATACATCTTTCATCCACGATGCGATTCTGGAGG
 CCTGCCTGTGTGGGAGACCACCATCCCTGTCAATGAGTTCAGGCCACCTATAGGGAGATGATCCGCAT
 TGACCCTCAGAGTAACTCCTCCAGCTTCGGGAAGAGTTCAGACACTGAACTCGGTACACCCGCGCTG
 GACGTGGAGGAGTGTAGCATTGCCCTGCTGCCCGGAATCGAGACAAGAACCAGTATGAGCAGTGTGCTG
 CGCCAGACCGCTGCCTGCCCTTCTCATCTCCAGTGTGGGACCCCAACAACATCAATGCAGCCCT
 AACTGATAGTACACACGGAGCGCCGCTTTCATCGTGACCCTGCACCCACTGCAGAGTACCACACCCGAC
 TTCTGGCGGCTGGTCTACGACTATGGGTGCACCTCCATTGTGATGCTCAACCAGCTTAACCAGTCCAAC
 CCGCCTGGCCCTGCCTGCAGTACTGGCCAGAACCAGGCAGACAGCAGTATGGCCTCATGGAGGTGGAGTT
 TGTGTCTGGCACAGAAACGAGGATCTGGTGTCCCGAGTGTTCGGGTGCAGAACTCTTCAAGGCTGCAG
 GAGGGCCACCTGCTGGTTCGTCACTTTTCACTTCTGCGTGGTGTGCTTATCGGGACACGCTGACTCCA
 GGAAGGCCCTTCTGCACCTGTTGGCTGAGGTGGACAAGTGGCAGGCGGAGAGTGGAGATGGGCGCACCGT
 GGTGCATTGTCTCAATGGCGGTGGCCGAGTGGCACCTTCTGCGCCTGTGCAACGGTCTTGGAAATGATC
 CGCTGTCACAGCCTGGTGGATGTTTTCTTTGCTGCCAAAACGCTTCGGAACACAAGCCCAATATGGTGG
 AGACCATGGATCAATACCATTCTGCTACGATGTGGCCCTGGAGTACCTGGAGGCTCTGGAGTTGAGATA
 G

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001191575

Insert Size:

4341 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:	<ol style="list-style-type: none">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:	<u>NM_001191575.1, NP_001178504.1</u>
RefSeq Size:	5129 bp
RefSeq ORF:	4341 bp
Locus ID:	116680
Cytogenetics:	5q36
Gene Summary:	transmembrane receptor type protein tyrosine phosphatase that is expressed in neuroepithelium; may play a role in neurogenesis [RGD, Feb 2006]