

Product datasheet for RR217627

Ptpru (NM_001191575) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptpru (NM_001191575) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ptpru
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217627 representing NM_001191575
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

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CAGCTGGCTGCACCTTCGAGGAGGCGAGTGACCCGGTTGTGCCCTGCGAGTTCAGCCAGGCTCAGTATGA
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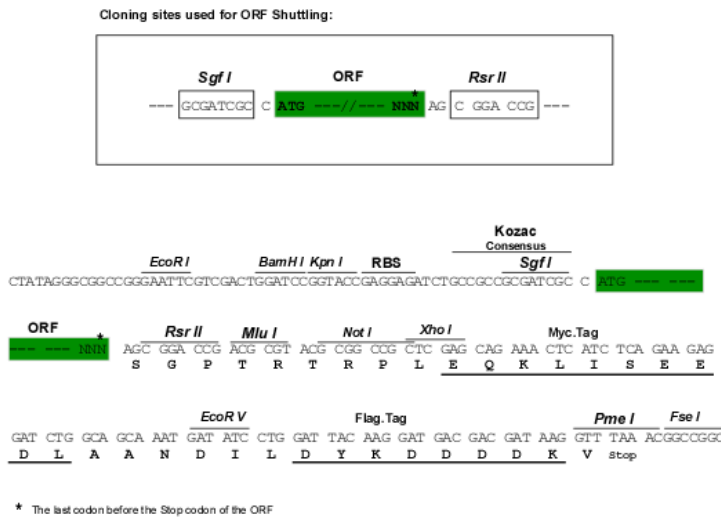
Protein Sequence: >RR217627 representing NM_001191575
 Red=Cloning site Green=Tags(s)

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 EERPRRLRREPGQDCFSVPLTFETALARGLVHYFGAEL AASSLLEAMPFTVGDNQTYRGFWNPPEPRK
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 KDKLKSGRQEPVSAYDRHRVKLHPMLGDPDADYISANYIDGYHRSNHFIATQGPKEMIYDFWRMVWQEQ
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 WPEHGVPYHATGLLAFIRRVKASTPPDAGPVVIHCSAGTGR TGCVIVLDVMLDMAECEGVVDIYNVCVKT
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 DVEEC SIALPRNRDKNRSMDVLPDRCLPFLISSDGPNNYINAAL TDSYTRSAFIVTLHPLQSTTPD
 FWRLVYDYGCTSI VMLNQLNQSN SAWPCLQYWPEPGRQQYGLMEVEFVSGTANEDLVSRVFRVQNSSRLQ
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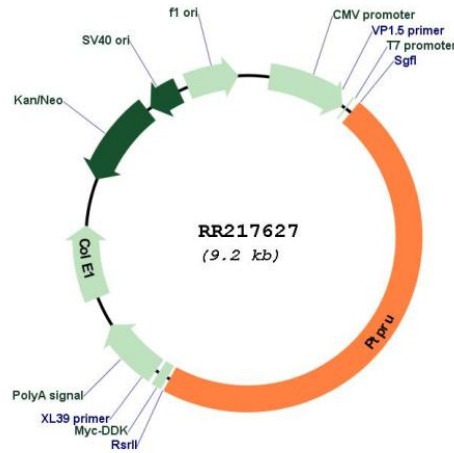
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Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191575

ORF Size: 4338 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_001191575.1](#), [NP_001178504.1](#)

RefSeq Size: 5129 bp

RefSeq ORF: 4341 bp

Locus ID: 116680

Cytogenetics: 5q36

MW: 162.4 kDa

Gene Summary: transmembrane receptor type protein tyrosine phosphatase that is expressed in neuroepithelium; may play a role in neurogenesis [RGD, Feb 2006]