

## Product datasheet for RN200489

### Ptprc (NM\_001109887) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptprc (NM\_001109887) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ptprc  
**Synonyms:** CD45; L-CA; Lca; RT7; T200  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200489 representing NM\_001109887  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATTTGTGGCTCAAACCTTGGCCTTCAGCTTGGCCCTTCTCGGCCAGAAGTCTTTGTCACAGGGC  
 AAGGAACAACCGACGATGGTTTTTCATCCACGCTGATGCCTCACCTGACCCACAGCCTGACTCACAGAC  
 CCCCTCTGCCAGAGGAGCTGACACTCAGACACTCAGCAGCAAGCTGACCTCACCACACTCAGGGTGT  
 CCCAGCGCGAGACTGACCCACCAGGTGCCAACCTCACAACCCCTGCACCATCCACTCTGGGCTTTGCAA  
 GCAATACCACCACAAGCACAGAAATAGCTACCCCTCAAACGAAGCCATCATGTGATGAAAAATTTGGGAA  
 CGTTACTGTGCGTTACATCTATGATGACAGTAGTAAGAATTTAACGCAAACCTAGAAGGTGACAAAAA  
 CCTAAGTGTGAATATACGGATTGTGAAAAAGAGTTAAAAAATCTACCAGAATGCTCACAGAAAAACGTCA  
 CTCTCTCCAATGGCTCATGTACTCCAGATAAAATATAAATTTAGATGTACCACCAGGGACTCACAACCT  
 TAACTTAACAACTGCACACCAGACATAGAAGCTAATACCTCAATTTGTTGGAGTGAAAAATAAAAAAC  
 AAATTTACCTGCGACATTCAAAAGATTTACATAAATTTCCGTTGTACACCAGAGATGAAAAACATTTGCTT  
 TGGACAAACCGGAACACTTTGGTTACACAACCTTACAGTCCGAACAAATTACACATGTGCTGCGGAAGT  
 CCTCTACAATAACGTAATACTTTTAAAACAAGACAGAAGGGTGCAGACTGATTTTGGGACTCCAGAAATG  
 CTTCCCATGTTCAATGTAAGAATTCAACTAACAGCACAAACATTAGTCTCCTGGGCTGAGCCAGCATCTA  
 AACACCATGGATACATTTTATGCTATAAAAAAGACCCCTTCAGAAAAATGTGAAAAATTTGGCTAATGATG  
 GAACAGTTTTGAGGTGAAAAACCTGAGGCCCTTACAGAGTACACAGTGTCTCTATTTGCCTATGTTATT  
 GGGAGGGTGAACGAAATGGCCCTGCTAAGGATTGCAACTTTCCGACAAAAGCAGCTCGTCCAGGCAAAG  
 TCAATGGTATGAAAACTCCCGGGCGTCAGACAATAGTATAAATGTCACGTGTAATTCCTTATGAAAT  
 TAATGGCCCTGAAGCGCGTTACATTTGGAAGTCAAAGTGGAGTTCTTTAGTTAAAACTTTCAACCAA  
 TCCACATGTAATTTGTTGTAGACAATCTCTATTATTCAACTGACTATGAGTTTCTGGTCTATTTTACA  
 ATGGAGAGTACCTGGGAGACCCAGAAATAAACCTCAATCAACATCTTATAATTCAAAGCACTGATTAT  
 ATTCTGGTGTCTGATTATTGTGACATCAATAGCCCTGCTTGTGTTTGTATAAAATCTATGATCTG  
 CGTAAGAAAAGATCCAGCAATTTAGATGAACAGCAGGAACCTGTTGAAAGGGATGAGGAGAAGCAGCTGA



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TAAATGTGGACCAATTCATTCTGACCTTTTGTGGAAACATACAAAAGAAAGATTGCCGATGAGGGTAG  
 ACTGTTCTGGCTGAATTTAGAGCATTCCACGGGTATTCAGCAAGTTTCCCATCAAAGATGCCCGAAAAG  
 TCCCAAAACCAGAACAAAAACCGTTATGTGGACATTCTCCCTATGATTACAACCGTGTGGAGCTCTCTG  
 AAATAATGGAGACGCAGGGTCCACCTACATAAATGCCAGCTACATTGATGGCTTCAAGGAACCCAGGAA  
 ATACATTGCTGCACAAGGGCCCCGGGATGAGACAGTTGATGACTTCTGGAAGATGATCTGGGAGCAGAAG  
 GCCACAGTTATTGTCATGGTCACACGATGTGAAGAAGGAAACAGGAACAAGTGTGCAGAAATTTGGCCAT  
 GCATGGAGAAGGCACTCGGACTTTCAGAGATGTTGTCGTGACGATCAATGACCACAACGATGCCTGA  
 TTACATTATCCAGAAGCTGAGCATTGCCACAAAAAGAAAAAGCAACTGGAAGAGAAGTACTCATATT  
 CAATTCACCAGTTGGCCAGACCATGGGGTTCCTGAAGACCCTCACCTGCTCCTGAAACTTCGACGGAGAG  
 TTAATGCTTTTAGCAACTTCTTCAGTGGACCCATTGTGGTGCAGTGCAGTGTGGCGTTGGGCGTACAGG  
 CACCTACATTGGAATTGATGCCATGCTCGAAAGCCTAGAAGCAGAGGGCAAAGTGGATGTCTATGGCTAT  
 GTTGTCAACCTAAGGCGACAGAGATGTCTGATGGTGAAGTGGAGGCCAGTACATCCTGATCCATCAGG  
 CCTTAGTGGAGTACAATCAATTTGGGAAACAGAAGTGAACCTGTCTGAGTTACATTCATGTCTACAGAA  
 TCTGAAGAAGAGAGATCCACCCAGTGACCCGTCTCCTTTGGAGGCTGAGTACCAGAGACTTCCTTCATAC  
 AGGAGCTGGAGGACACAGCACATTGAAATCAAGAAGAAAATAAAAAGAAAAACAGGAGTTCTAACGTTG  
 TTCCATATGACTTTAACAGAGTGCCACTTAAGCATGAAGTAGAGATGAGCAAAGAGAGCGAGGCTGAATC  
 CGACGAATCTTCAGATGAGGACAGTGCAGTGGAAAGAAACCAGCAATACATTAATGCGTCAATTTGTGATG  
 AGTTACTGGAAACCAGAAATGATGATTGCTGCCAGGGTCCACTAAAAGAGACTATTGGTACTTTTGGC  
 AGATGATATTCCAAAGAAAAGTCAAGGTTATTGTGATGTTGACAGAGTTAATGAGTGGAGACCAGGAAAGT  
 CTGTGCTCAATACTGGGGAGAAGGAAAGCAGACTTATGGAGACATGGAAGTAATGTTGAAAGACACGAAC  
 AAATCCTCAGCCTATATTCTGCGAGCATTTGAACTGAGACATTCGAAGAGAAAGGAGCCTAGAAGTGTGT  
 ACCAGTACCAGTGTACCACATGGAAAGGGGAGGAGCTCCCTGCAGAACCCAAAGATCTAGTACTCTGAT  
 TCAGAACATCAAACAGAAGCTTCCCAAGAGTGGCTCAGAAGGGATGAAGTACCACAAGCATGCATCAATC  
 CTAGTCCACTGCAGGGATGGATCCAGCAGACGGGGTTGTTCTGTGCTCTGTTCAATCTCCTGGAAAGTG  
 CAGAAACAGAAGATGTGGTTGATGTTTTCAAGTGGTAAAGTCTCTACGCAAAGCACGGCCGGGGATGGT  
 GGGCAGCTTTGAGCAATACCAGTTCCTCTATGACATCATGGCCAGCATCTATCCCACCCAGAATGGACAA  
 GTGAAGAAAGCAAACAGCCAAGACAAAATTGAATTTCAACGAAGTGGACGGAGCCAAGCAGGACGCAA  
 ACTGTGTTTCCAGCAGCTGATCCTCTGAACAAAGCCAGGAAGACAGCAAAGAAAGTTGGAGCTTCCAGGCC  
 TGCAAGTGGTTCTGAGGAGCCAGAACATTCTGCAATGGTCCCATGAGCCAGCTCTAACCCCGAGCTCA  
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001109887

**Insert Size:**

3573 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).

**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\\_001109887.1](#), [NP\\_001103357.1](#)

**RefSeq Size:** 4818 bp

**RefSeq ORF:** 3573 bp

**Locus ID:** 24699

**UniProt ID:** [P04157](#)

**Cytogenetics:** 13q13

**Gene Summary:** member of a family of heavily glycosylated leukocyte cell surface glycoproteins; displays extensive O-glycosylation [RGD, Feb 2006]  
Transcript Variant: This variant (3) lacks two in-frame exons compared to variant 4. The resulting isoform (3) is shorter compared to isoform 4. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.