

## Product datasheet for **RN200486**

### Ptprc (NM\_001109889) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptprc (NM\_001109889) 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:** >RN200486 representing NM\_001109889  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATTTGTGGCTCAAACCTTCTGGCCTTCAGCTTGGCCCTTCTCGGCCAGAAAGTCTTTGTCACAGGGC  
 AAGGAACAACCGACGATGGTGTGCCGAAGAGAGTACTGTACCGGAGACCTTTCTGGAGGCACCCCAT  
 CCTTGCACGCAACAGCACTGCTCCCTCACACACTTCCAATGTCAGCACCACAGATATCTCTCA  
 GGTGCCAACCTCAACAACCCCTGCACCATCCACTCTGGGCTTTGCAAGCAATACCACCACAAGCACAGAAA  
 TAGCTACCCCTCAACGAGCCATCATGTGATGAAAAATTTGGGAACGTTACTGTGCGTTACATCTATGA  
 TGACAGTAGTAAGAATTTAACGCAAACTAGAAAGGTGACAAAAACCTAAGTGTGAATATACGGATTGT  
 GAAAAAGAGTTAAAAATCTACCAGAAATGCTCACAGAAAAACGTCACCTCTCTCCAATGGCTCATGTACTC  
 CAGATAAAATTATAAATTTAGATGTACCACCAGGGACTCACAACCTTAACTTAACAACTGCACACCAGA  
 CATAGAAGCTAATACCTCAATTTGTTGGAGTGGAAAAATAAAAAACAATTTACCTGCGACATTCAAAAG  
 ATTTCATACAATTTCCGTTGTACACCAGAGATGAAAACATTTGCTTTGGACAAACACGGAACACTTTGGT  
 TACACAACCTTACAGTCCGAACAATTACACATGTGCTGCGGAAGTCTCTACAATAACGTAATAACTTTT  
 AAAACAAGACAGAAGGGTGCAGACTGATTTTGGACTCCAGAAATGCTTCCCATGTTCAATGTAAGAAT  
 TCAACTAACAGCACAACATTAGTCTCCTGGGCTGAGCCAGCATCTAAACACCATGGATACATTTTATGCT  
 ATAAAAAGACCCCTTCAGAAAAATGTGAAAAATTTGGCTAATGATGTGAACAGTTTTGAGGTGAAAAACCT  
 GAGGCCTTATACAGAGTACACAGTGTCTCTATTTGCCTATGTTATTGGGAGGGTGAACGAAATGGCCCT  
 GCTAAGGATTGCAACTTTTCGACAAAAGCAGCTCGTCCAGGCAAAGTCAATGGTATGAAAACCTCCCGGG  
 CGTCAGACAATAGTATAAATGTCACGTGAATTTCTCCTTATGAAATTAATGGCCCTGAAGCGGTTACAT  
 TTTGGAAGTCAAAGTGGAGTTCTTTAGTTAAAACCTTTCAACCAATCCACATGTAATTTGTTGTAGAC  
 AATCTCTATTATCAACTGACTATGAGTTTCTGGTCTATTTTACAATGGAGGTACCTGGGAGACCCAG  
 AAATAAACCTCAATCAACATCTTATAATTCTAAAGCACTGATTATTTCTGGTGTCTGATTATTGT  
 GACATCAATAGCCCTGCTTGTGTTTTGTATAAATCTATGATCTGCGTAAGAAAAGATCCAGCAATTTA  
 GATGAACAGCAGGAACCTCGTTGAAAGGGATGAGGAGAAGCAGCTGATAAATGTGGACCAATTCATTCTG



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ACCTTTTGTGGAAACATACAAAAGAAAGATTGCCGATGAGGGTAGACTGTTCTGGCTGAATTCAGAG  
 CATTCCACGGGTATTCAGCAAGTTTCCCATCAAAGATGCCCGAAAAGTCCCAAAACCGAACAACAAACCGT  
 TATGTGGACATTCCTCCCTATGATTACAACCGTGTGGAGCTCTCTGAAATAAATGGAGACGCAGGGTCCA  
 CCTACATAAATGCCAGCTACATTGATGGCTTCAAGGAACCCAGGAAATACATTGCTGCACAAGGGCCCCG  
 GGATGAGACAGTTGATGACTTCTGGAAGATGATCTGGGAGCAGAAGGCCACAGTTATTGTCATGGTCACA  
 CGATGTGAAGAAGGAAACAGGAACAAGTGTGCAGAATATTGGCCATGCATGGAGGAAGGCACTCGGACTT  
 TCAGAGATGTTGTCTGACGATCAATGACCACAAACGATGCTGATTACATTATCCAGAAGCTGAGCAT  
 TGCCACAAAAAAGAAAAGCAACTGGAAGAGAAGTGACTCATATTCAATTCACCAGTTGGCCAGCCAT  
 GGGGTTCTGAAGACCCTCACCTGCTCCTGAAACTTCGACGGAGAGTTAATGCTTTTAGCAACTTCTTCA  
 GTGGACCCATTGTGGTGCAGTGTGGCGTTGGGCGTACAGGCACCTACATTGGAATTGATGCCAT  
 GCTCGAAAGCCTAGAAGCAGAGGGCAAAGTGGATGTCTATGGCTATGTTGTCAACCTAAGGCGACAGAGA  
 TGTCTGATGGTCAAGTGGAGGCCAGTACATCCTGATCCATCAGGCCTTAGTGGAGTACAATCAATTTG  
 GGGAAACAGAAGTGAACCTGTCTGAGTTACATTATGTCTACAGAATCTGAAGAAGAGAGATCCACCCAG  
 TGACCCGCTCCTTTGGAGGCTGAGTACCAGAGACTTCTTCATACAGGAGCTGGAGGACACAGCATT  
 GGAATCAAGAAGAAAATAAAAAGAAAACAGGAGTTCTAACGTTGTTCCATATGACTTTAACAGAGTGC  
 CACTTAAGCATGAACTAGAGATGAGCAAAGAGAGCGAGGCTGAATCCGACGAATCTTCAGATGAGGACAG  
 TGACTCGGAAGAAACAGCAAATACATTAATGCCTCATTGTGATGAGTTACTGGAACCAGAAATGATG  
 ATTGCTGCCAGGGTCCACTAAAAGAGACTATTGGTGACTTTTGGCAGATGATATTCAAAAGAAAAGTCA  
 AGGTTATTGTGATGTTGACAGAGTTAATGAGTGGAGACCAGGAAGTCTGTGCTCAATACTGGGAGAAAGG  
 AAAGCAGACTTATGGAGACATGGAAGTAAATGTTGAAAGACACGAACAAATCCTCAGCCTATATTCTGCGA  
 GCATTTGAACTGAGACATTCCAAGAGAAAGGAGCCTAGAAGTGTGTACCAGTACCAGTGTACCACATGGA  
 AAGGGGAGGAGCTCCCTGCAGAACCCAAAGATCTAGTACTCTGATTGAGAACATCAAACAGAAGCTTCC  
 CAAGATGGCTCAGAAGGGATGAAGTACCACAAGCATGCATCAATCCTAGTCCACTGCAGGGATGGATCC  
 CAGCAGACGGGGTTGTTCTGTGCTCTGTTCAATCTCCTGGAAAGTGCAGAAACAGAAGATGTGGTTGATG  
 TTTTCAAGTGGTAAAGTCTCTACGCAAAGCACGGCCGGGATGGTGGGCACTTTGAGCAATACAGTT  
 CCTCTATGACATCATGGCCAGCATCTATCCCACCCAGAATGGACAAGTGAAGAAAGCAAACAGCCAAAGAC  
 AAAATTGAATTTCAACGAAGTGGACGGACCAAGCAGGACGCAAACCTGTGTTCCAGCCAGCTGATCCTC  
 TGAACAAAGCCCAGGAAGACAGCAAAGAAGTTGGAGCTTCAGAGCCTGCAAGTGGTTCTGAGGAGCCAGA  
 ACATTCTGCAAATGGTCCCATGAGCCAGCTCTAACCCGAGCTCATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001109889
- Insert Size:** 3549 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\\_001109889.1](#), [NP\\_001103359.1](#)

**RefSeq Size:** 4794 bp

**RefSeq ORF:** 3549 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 (2) lacks two in-frame exons compared to variant 4. The resulting isoform (2) 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.