

Product datasheet for RN200485

Ptprc (NM_001109888) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprc (NM_001109888) 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:	>RN200485 representing NM_001109888 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTTGTGGCTCAAACCTTCTGGCCTTCAGCTTGGCCCTTCTCGGCCAGAAGTCTTTGTCACAGGGC
AAGGAACAACCGACGATGGACTGGACACAACAGAGATTGTTCTTCTGCCTCAAACGACCCTTTACCTGC
TCGCACCACTGAATTCACACCCCAAGCATCTCTGAAAGAGGAAATGGCTCCTCAGAGACCACATATCTT
CCAGGTGCCAACCTCACAACCCCTGCACCATCCACTCTGGGCTTTGCAAGCAATACCACCACAAGCACAG
AAATAGCTACCCCTCAAACGAAGCCATCATGTGATGAAAAATTTGGGAACGTTACTGTGCGTTACATCTA
TGATGACAGTAGTAAGAAATTTAACGCAAACTAGAAGGTGACAAAAACCTAAGTGTGAATATACGGAT
TGTGAAAAAGAGTTAAAAATCTACCAGAAATGCTCACAGAAAAACGTCACCTCTCCAATGGCTCATGTA
CTCCAGATAAAATATAAATTTAGATGTACCACCAGGGACTCACAACTTTAACTTAACAACTGCACACC
AGACATAGAAGCTAATACCTCAATTTGTTGGAGTGAAAAATAAAAAACAAATTTACCTGCGACATTCAA
AAGATTTACATAAATTTCCGTTGTACACCAGAGATGAAAAACATTTGCTTTGGACAACACGGAACACTTT
GGTTACACAACCTTACAGTCCGAACAAATTACACATGTGCTGCGGAAGTCTCTACAATAACGTAATACT
TTTAAAAACAAGACAGAAGGGTGCAGACTGATTTTGGGACTCCAGAAATGCTTCCCATGTTCAATGTAAG
AATTCAACTAACAGCACAACTTATGCTCCTGGGCTGAGCCAGCATCTAACACCATGGATACATTTTAT
GCTATAAAAAGACCCCTTCAGAAAAATGTGAAAAATTTGGCTAATGATGTGAACAGTTTTGAGGTGAAAA
CCTGAGGCCTTATACAGAGTACACAGTGTCTCTATTTGCCTATGTTATTGGGAGGGTGAACGAAATGGC
CCTGCTAAGGATTGCAACTTTCCGACAAAAGCAGCTCGTCCAGGCAAAGTCAATGGTATGAAAACCTCCC
GGGCGTCAGACAATAGTATAAATGTCACGTGTAATTCCTTATGAAATTAATGGCCCTGAAGCGCGTTA
CATTTTGGAAAGTCAAAAGTGGAGGTTCTTTAGTTAAAACCTTCAACCAATCCACATGTAATTTGTTGTA
GACAATCTCTATTATCACTGACTATGAGTTTCTGGTCTATTTTACAATGGAGAGTACCTGGGAGACC
CAGAAATAAACCTCAATCAACATCTTATAAATCTAAAGCACTGATTATATTCCTGGTGTCTGATTAT
TGTGACATCAATAGCCCTGCTTGTGTTTTGTATAAAATCTATGATCTGCGTAAGAAAAAGATCCAGCAAT
TTAGATGAACAGCAGGAACCTCGTTGAAAGGGATGAGGAGAAGCAGCTGATAAATGTGGACCAATTCATT



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CTGACCTTTTGTGGAAACATACAAAAGAAAGATTGCCGATGAGGGTAGACTGTTCTGGCTGAATTTCA
 GAGCATTCCACGGGTATTTCAGCAAGTTTCCCATCAAAGATGCCCGAAAAGTCCCAAAACCAGAACAAAAAC
 CGTTATGTGGACATTCTCCCCTATGATTACAACCGTGTGGAGCTCTCTGAAATAAATGGAGACGCAGGGT
 CCACCTACATAAATGCCAGCTACATTGATGGCTTCAAGGAACCCAGGAAATACATTGCTGCACAAGGGCC
 CCGGGATGAGACAGTTGATGACTTCTGGAAGATGATCTGGGAGCAGAAGGCCACAGTTATTGTCATGGTC
 ACACGATGTGAAGAAGGAAACAGGAACAAGTGTGCAGAATATTGGCCATGCATGGAGGAAGGCACCTCGGA
 CTTTCAGAGATGTTGTCGTGACGATCAATGACCACAAACGATGTCCTGATTACATTATCCAGAAGCTGAG
 CATTGCCACAAAAAGAAAAAGCAACTGGAAGAGAAAGTACTCATATTCAATTCACCAGTTGGCCAGAC
 CATGGGGTTTCTGAAGACCCTCACCTGCTCCTGAAACTTCGACGGAGAGTTAATGCTTTTAGCAACTTCT
 TCAGTGGACCCATTGTGGTGCAGTGCAGTGTGGCGTTGGGCGTACAGGCACCTACATTGGAATTGATGC
 CATGCTCGAAAGCCTAGAAGCAGAGGGCAAAGTGGATGTCTATGGCTATGTTGTCAACCTAAGGCGACAG
 AGATGTCTGATGGTGCAAGTGGAGGCCAGTACATCCTGATCCATCAGGCCTTAGTGAGTACAATCAAT
 TTGGGAAACAGAAGTGAACCTGTCTGAGTTACATTATGTCTACAGAATCTGAAGAAGAGAGATCCACC
 CAGTGACCCGTCTCCTTTGGAGGCTGAGTACCAGAGACTTCCTTCATACAGGAGCTGGAGGACACAGCAC
 ATTGGAATCAAGAAGAAAATAAAAAGAAAAACAGGAGTTCTAACGTTGTTCCATATGACTTTAACAGAG
 TGCCACTTAAGCATGAACTAGAGATGAGCAAAGAGAGCGAGGCTGAATCCGACGAATCTTCAGATGAGGA
 CAGTGACTCGGAAGAAACCAGCAAAATACATTAATGCGTCATTTGTGATGAGTTACTGGAACCAGAAATG
 ATGATTGCTGCCAGGGTCCACTAAAAGAGACTATTGGTACTTTTGGCAGATGATATCCAAAAGAAAAG
 TCAAGGTTATTGTGATGTTGACAGAGTTAATGAGTGGAGACCAGGAAGTCTGTGCTCAATACTGGGGAGA
 AGGAAAGCAGACTTATGGAGACATGGAAGTAATGTTGAAAGACACGAACAAATCCTCAGCCTATATTCTG
 CGAGCATTTGAACTGAGACATTTCAAGAGAAAGGAGCCTAGAAGTGTGTACCAGTACCAGTGTACCACAT
 GGAAGGGGAGGAGCTCCCTGCAGAACCCAAAGATCTAGTGACTCTGATTCAGAACATCAACAGAAGCT
 TCCCAAGAGTGGCTCAGAAGGGATGAAGTACCACAAGCATGCATCAATCCTAGTCCACTGCAGGGATGGA
 TCCAGCAGACGGGGTTGTTCTGTGCTCTGTTCAATCTCCTGGAAGTGCAGAAACAGAAGATGTGGTTG
 ATGTTTTTCAAGTGGTAAAGTCTCTACGCAAAGCACGGCCGGGGATGGTGGGAGCTTTAGCAATACCA
 GTTCTCTATGACATCATGGCCAGCATCTATCCCACCCAGAATGGACAAGTGAAGAAAGCAAACAGCCAA
 GACAAAATTGAATTTATAACGAAGTGGACGGAGCCAAGCAGGACGCAAAGTGTGTTAGCCAGCTGATC
 CTCTGAACAAAGCCAGGAAGACAGCAAAGAAGTTGGAGCTTCAGAGCCTGCAAGTGGTTCTGAGGAGCC
 AGAACATTCTGCAATGGTCCCATGAGCCAGCTCAACCCGAGCTCA TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001109888

Insert Size:

3552 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_001109888.1](#), [NP_001103358.1](#)

RefSeq Size: 4797 bp

RefSeq ORF: 3552 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 (5) lacks two in-frame exons compared to variant 4. The resulting isoform (5) 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.