

Product datasheet for RN217641

Ptprm (NM_001168632) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprm (NM_001168632) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptprm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217641 representing NM_001168632 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGGACACTTGGGACTTGCCTGGTGACTTTAGCTGGACTTTTGCTAACTGCGGCCGGGAGACATTTT
CAGGTGGCTGCCTTTTGAGGAGCCATACAGCACATGTGGATATAGTCAAGCTGACGACGATGACTTCAA
TTGGGAGCAGGTGAACACCTTGACCAAACCGACCTCTGACCCATGGATGCCATCAGCTCCTTCATGCTG
GTGAACACTTCTGGGAAACCGGAAGGCCAGAGAGCTCACCTGCTCCTGCCTCAGCTTAAGGAAAACGACA
CCCACTGCATTGACTTTCACTACTTTGTATCCAGCAAGAGTAACGCGGCCCGGGTTGCTCAATGTCTA
CGTGAAGGTGAACAATGGGCCGCTGGGGAATCCCATTTGGAACATATCTGGAGACCAACCCGACGTGG
CACAGGGCAGAGCTGGCCGTGACACCTTCTGGCCCAACTTTTACCAGGTGATTTTGAAGTGGTACCT
CTGGACATCAAGGCTACCTTGCTATTGATGAGGTTAAGGTGTTGGGACATCCGTGTACGAGAAGTCCCA
CTTCTGCGGATTCAGAAATGTGGAGGTGAACGCTGGCCAGTTTGTACCTCCAGTGCAGCGCCATAGGC
AGGACAGTGGCTGGGACCGCTCTGGCTACAGGGGATTGACGTCGTGATGCTCCTCTGAAGGAGATAA
AGGTGACAAGTTCAGGAGATTCATAGCCTCATTTAACGTCGTAACACGACCAAGAGAGATGCTGGGAA
GTATCGTTGCATGATTCGTACGGAAGGAGGTGTCGGGATATCAAACACGAGAAGTGGTAAAGAG
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CCAACCTCCATCAATGGGGATGGGCCAATTTGTGGCCCGGAGGTTGAGTACTGCACAGCCAGTGGGAGCTG
GAACGATCGGCAGCCAGTGGATTCCACGAGTTACAAGATTGGGCACCTTGACCCAGACACCGAGTATGAG
ATCAGTGTACTTCTACCAGACAGGGGAAGGTGGCACTGGATCTCCCGGCCAGCGTGAGAACAAGAA
CGAAGTGTGCTGATCCCATGCGTGGCCCGAGAAAAGTGAAGTGTAGAGGTCAAATCTCGACAAATCAC
CATCCGCTGGGAGCCATTTGGATAACAATGTAACCTGTTGCCATAGTTATAATCTCACAGTCCGCTACTGT
TACCAGTTGGAGGGCAGGAGCAAGTGCAGAGAAGAAGTAAGCTGGGACATGGATAATTTCCACCCCTCAGC
ACACAATCACCAACCTGTCCCCCTACACCAACGTCAGTGTGAAGCTCATCCTCATGAACCCCGAGGGGCG
CAAGGAAAGTCAAGAAGTCACTGTGCAGACAGATGAAGATCTCCAGGAGCCGTCCTCCACTGAGTCCATC
CAAGGCAGTGCCTTTGAAGAGAAGATATTTCTCCAGTGGAGAGAGCCGACACAAACATATGGGGTATCA
CTTTATACGAGATCACCTACAAAGCAGTCAGCTCCTTTGACCCGGAGATAGATTTGTCCAACCAAAGCGG
AAGGTTTCAAACCTGGGAAATGAAACTCACTTTCTGTTCTTTGGCCTGTATCCCGGAACCATACTCC



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TTCACCATCAGAGCCAGCACAGCCAAGGGGTTCGGACCTCCAGCCACAAACCAGTTCACCACAAAATAT
 CAGCACCCATGCCAGCCTATGAATTTGAGACACCTTTGAATCAGACTGACAATACGGTGACAGTGCT
 ATTGAAACCAGCTCAAAGCAGAGGGGCTCCAGTCAGTGTCTACCAGATCGTTGTTGAGGAAGAACGTCT
 CGGAGAATAAGAAGACAACAGAGATCTTGAAGTGTACCCAGTGCCGATCACTTCCAGAATGCTTCCA
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 AGGGGCAGTTACTCCAAAGCCAGTCCCTGAACCTGAGAAAAGAACAGACCACACGGTGAAAATCGCCGGA
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 TGGCCAAGAAGAGGAAGGAGACGATGAGCAGCACCCGGCAGGAGATGACAGTGATGGTGAACCTCGATGGA
 CAAGAGCTACGCTGAGCAAGGCACCACTGTGATGAAGCCTTCTCCTTATGGACACGCACAACCTAAC
 GGGAGATCCGTGCTTACCCTCATCTTACAATGAAAACAAACACGCTGAGCACCTCAGTGCCGAAAT
 CCTATTACCAGACCCATTTGTGCAACTGCAATCTTAGATGAGACCCACACCATGGCCAGCGACACCAG
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 TCAAGGAGGAGTATGAGAGCTTCTTGAAGGACAGTCTGCACCGTGGGACTCGGCTAAGAAGACAGGAA
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 GGAGACAACAGTTCAGACTATATCAATGGCAATTACATCGATGGCTATCATCGACCCAACCATATATCG
 CAACCCAAAGACCCATGCAGGAGACCGTCTACGACTTCTGGAGGATGGTGTGGTATGAGAACACGGCAAG
 CATCATCATGGTGACCAACCTTGTGGAAGTGGGAAAGGGTAAATGCTGCAAACTGCGCCGACGACACG
 GAGATCTATAAAGACATAAAAAGTCACGCTAATAGACACAGAGCTGCTGGCAGAATATGTGATAAAGACCT
 TTGCCGTGGAGAAGAGAGGTATTCATGAAATACGAGAGATCAGACAGTTCACCTTCACTGGCTGGCCGGA
 TCACGGCGTCCCCACCACGCCACCGCCCTGCTGGGTTTCGTCCGGCAGGTCAAATCCAAGAGCCCAACC
 AACGCAGGCCACTGGTGTACTGTCAGTGCCGGCGCCGGGAGGACAGGCTGCTTCATCGTCATCGATA
 TCATGTTGGACATGGCAGAAAAGGAAGCGTGGTAGACATCTACAACGTGTGTCAGAGAGCTTCGGTCCAG
 GAGAGTCAACATGGTGCAGACAGAGGAGCAGTACGTCTTCCATCCACGATGCCATCCTGGAAGCCTGCCTT
 TGTGGAGACCTCCATCCCTGCTTCCCAAGTCAGGTCTCTGTATTACGACATGAACAACTGGACCCAC
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 GGACTGCAGCATCGCTCCTACCCGGAACCACGAGAAAAACCGCTGCATGGACATCCTGCCCCGGAT
 CGCTGCCTGCCCTCCTCATCACCATTGACGGAGAGAGCAGCACTACATCAACGCAGCCCTGATGGACA
 GCTACAAACAGCCCTCAGCGTTTATAGTCACCCAAACATCCTTTGCCAAACACCGTCAAAGACTTCTGGCG
 ACTGGTGTGGATTACCACTGCACGTCCGTAGTCATGCTCAACGATGTGGATCCTACCCAGTTATGTCCA
 CAGTACTGGCCAGAAAATGGAGTGCACAGGCACGGCCCATCCAGGTGGAATTTGTGCTGCAGACTTAG
 AAGAAGACATCATCAGCAGGATTTTCAGGATTTACAATGCCTCCAGGCCCCAGGATGGACATCGGATGGT
 TCAGCAGTTCAGTCTTGGGCTGGCCGATGTATAGGGACACACCTGTGTCCAAGCGCTCCTTCTTGAAG
 CTCATCCGACAGGTAGACAAGTGGCAGGAGGAATAACAATGGCGGCGAAGGGCGTACAGTCGTGCACTGCT
 TGAACGGAGGAGCCGCGCAGCGGTACATTCTGTCCATCAGCATTGTCTGTGAGATGCTGCGACACCAGAG
 AACTGTGGATGTCTTCCACGCCGTCAAGACATTGAGGAACAACAAGCCAACATGGTGGACCTCCTGGAT
 CAGTACAAGTTCTGCTATGAGGTGGCCCTGGAGTACCTGAATGCTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001168632
 Insert Size: 4461 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_001168632.1, NP_001162103.1</u>
RefSeq Size:	5290 bp
RefSeq ORF:	4461 bp
Locus ID:	29616
Cytogenetics:	9q37
Gene Summary:	expressed in blood capillaries in the developing nervous system; may play a role in angiogenesis [RGD, Feb 2006]