

Product datasheet for **MC224618**

Ptprd (NM_011211) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptprd (NM_011211) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptprd
Synonyms: 1110002J03Rik; 3000002J10Rik; B230219D21Rik; R-PTP-delta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224618 representing NM_011211
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTGACAAACTGCAGGATGGTGCCCGTGGCCAGGCCGCTGTCGCTGCTCCTCACCTTCTTCTCT
 GCGCCTGTGCTGAGACACCCCCAGGTTTACACGAACTCCGTTGATCAGACAGGGGTCTCTGGAGGAGT
 TGCATCATTTCATTGTCAAGCTACAGGAGACCCAAGACCTAAAATTGTCTGGAACAAAAAGGAAAGAAA
 GTCAGCAACCAGAGATTTGAGGTAATAGAATTTGACGATGGATCTGGATCAGTACTCAGAATACAGCCCT
 TAAGGACTCCACGGGATGAGGCCATTTATGAATGTGTGGCCTCGAATAATGTGGGAGAAATCAGTGTGTC
 CACAAGACTCACAGTTTTACGTGAGGATCAGATTCCTAGAGGGTCCCTACGATTGATATGGGCCCGCAG
 TTGAAGGTGGTGGAAACGGACCCGCCACCCATGCTGTGTGCAGCCAGCGGTAATCCGGATCCAGAAA
 TCACTTGGTTTAAAGATTTCTTACCTGTTGACACAAGCAACAACATGGTCGATTAAGCAGTTACGATC
 AGAATCTATTGGTGGTACACCAATAAGAGGAGCGCTGCAGATCGAACAGAGCGAAGAATCCGACCAAGGA
 AAATACGAGTGTGTTGCCACCAACAGCGCGGCCACTCGTACTCTGCCCTGCCAATTTATATGTCAGAG
 AGCTGCGAGAAGTTCGCCGTGTCCACCAAGATTTCTATCCCACCCACTAATCATGAAATCATGCCAGG
 TGGAAAGTAAATATCACCTGTGTGGCAGTGGGGTCAACCAATGCCTTATGTGAAGTGGATGTTGGGGCA
 GAAGATCTGACACCAGAAGATGATATGCCGATAGGACGAAATGTCTAGAACTGAATGACGTAAGACAGT
 CAGCAAATTACACCTGTGTTGCTATGTCGACGTTGGGGTTCATTGAAGCAATAGCCAGATCACTGTCAA
 AGCCTTACCCAAGCCTCCAGGAACTCCTGTAGTGACCGAGAGCACAGCTACAAGCATCACACTAACATGG
 GACTCTGGGAATCCTGAGCCTGTCTCTTACTACATCATTACGATAAGCCTAAAAATTTCTGAAGAACCAT
 AATAAGAAATTGATGGGATAGCCACCACACGCTACAGTGTGCCGGATTAAGTCCCTACTCGGATTATGA
 ATTTAGAGTTGTGCTGTCAATAACATTGGACGAGGCCAGCAAGTGAAGTGTGTTAACTCAGACCTCA
 GAACAAGCACCATCCAGTGCCCCACGGGATGTTACAGGCACGCATGTTGAGCTCTACCACCATTCTGGTAC
 AATGGAAGGAACCTGAGGAGCCAAATGGACAGATCCAAGGGTATAGAGTTTATTATACAATGGACCCAC
 TCAGCATGTCAACAACCTGGATGAAACACAATGTAGCTGATAGCCAAATCACTACTATTGGCAATTTAGTA
 CCCCAAAAACATACTCTGTCAAAGTCTGGCTTTTACCTCAATTGGAGATGGACCTCTTTCTAGTGATA



TACAAGTCATCACTCAGACAGGAGTACCAGGGCAGCCACTAAACTTCAAAGCAGAACCTGAATCTGAAAC
AAGTATTTTGGCTGCTTGGACACCCGACGATCAGATACCATTGCCAGCTATGAACTAGTCTACAGAGAT
GGGGATCAAGGAGAAGAGCAGCGAATCACCATTGAGCCAGGCACATCTTATAGGCTTCAAGGGCTGAAAC
CAAACAGCCTGTACTACTTCCGTCTGTCTGCACGCTCTCCTCAAGGCCTGGGTGCTTCTACAGCTGAAAT
ATCAGCTAGAACCATGCAATCAATGTTTGCAAAAATTTTCATGTCAAAGCAGTTATGAAGACTTCAGTG
CTGCTGTCTTGGGAGATTCCAGAGAATTATAATTCTGCTATGCCTTTCAAATTTCTTATGATGATGGGA
AAATGGTGAAGAAGTGGATGGCCGAGCTACCCAGAAGCTGATTGTTAACCTGAAGCCTGAGAAGTCATA
TTCCTTTGTGTTAACCAATCGTGGGAACAGTGCTGGTGGATTGCAGCATAGGGTGACAGCAAAGACTGCC
CCAGATGTGCTCCGCACCAAGCCTGCCTTCATTGGGAAGACAACTTGGATGGCATGATTACTGTGCAAC
TGCTGATGTTCTGCAATGAAAAATAAAGGGTTACTACATTATAATTGTGCCTTTGAAGAAGTCGCG
TGGGAAATTCATCAAGCCCTGGGAGAGCCCTGATGAGATGGAGTTAGATGAGCTGCTTAAGGAGATATCT
AGAAAACGCAGAAGCATTGTTATGGAAGAGAAGTTGAATTAAGCCATATATTGCTGCTCACTTTGATG
TCCTTCCCAGTGTCCACCTGGGGGATGACAAACATTATGGTGGATTTACGAACAAACAGCTCCAAG
TGGACAAGAATATGTCTTCTTTGTGTTAGCAGTGATGGACCATGCAGAGTCTAAGATGTATGCAACCAGC
CCATACTCCGACCCTGTTGTGTCATGGATCTGGATCCACAGCCAATCACAGACGAAGAGGAAGGCTTGA
TATGGGTGCTAGTCTGCTTGCAGTGGTGTATCATCTGTATTGTGATTGCTATTCTTCTTTATAA
AAGGAAGAGGGCAGAGTCCGAGTCCAGAAAGAGCAGCTTACCAAACAGTAAAGAGGTCCTTCCACCCAC
CCAACCGACCCAGTAGAACTGAGGCGCCTTAACTTTCAAACACCAGGTATGGCTAGCCATCCTCCAATAC
CTATCTTGGAACTTGAGATCATATTGAGAGGTTGAAAGCAAATGATAACCTGAAGTTTTCCAGGAATA
TGAGTCAATTGACCTGGCCAGCAGTTCACATGGGAACACTCAACTTGGAAAGTAAACAAACCAAGAAC
AGATATGCAAATGTCATTGCATACGATCACTCCCGGTTCTTATCAGCAATAGAAGGAATCCCAGGAA
GTGATATGTAATGCCAACTACATAGATGGCTATAGGAAACAAATGCCTATATTGCAACCCAGGGATC
TCTTCTGAAACATTTGGGGACTTTTGGAGAATGATATGGGAGCAACGAAGTCCACAGTTCATGATG
ACAAAGCTAGAAGAAAGGTCGAGGGTGAAGTGTACCAGTATTGGCCAGCAGAGGCACAGAAACTCACG
GGCTGGTCCAGGTGACGCTGCTGGATACTGTGGAGCTTGCACATACTGTGTCCGGACATTTGCACTTTA
TAAGAATGGATCGAGTGAGAAGAGGGAAGTGAGACAATCCAGTTCACCGCCTGGCCTGATCATGGTGT
CCAGAGCACCCACACCTTCTAGCTTCTTACGGAGAGTCAAACCTGCAATCCTCCAGATGCAGGGC
CAATGGTGGTACTGCACTGAGTGGTGTGGCAGAACTGGCTGCTTATTGTAATAGATGCCATGTTAGA
AAGAATAAAGCATGAAAAACTGTAGATATTTATGGCCATGTAACCTTAAAGAGAGCCAGAGGAATTAC
ATGGTACAACAGAAGACCAGTACATCTTATCCATGATGCACTGTTAGAAGCAGTGACATGTGGAATA
CCGAAGTGCCGGCTAGAACTTGTATGCCTACATTCAGAAGCTGACACAAATAGAACAGGGGAGAATGT
CACCGGAATGGAGCTCGAATTTAAGCGTCTAGCCAGCTCAAAGCTCACACCTCAAGATTATCAGTGCC
AATCTTCCATGTAATAAATTTAAAAACCGCCTGTTAATATTATGCCATATGAATCCACAAGGGTGTGCC
TGCAGCCTATCCGAGGAGTTGAAGGCTCTGATTACATCAATGCCAGTTTCTTGTGATATAGACAACA
GAAAGCCTACATTGCTACCCAGGGGCCCTTAGCAGAGCAACTGAAGACTTTTGGCGCATGCTTTGGGAA
CACAATCCACCATCGTTGTGATGCTCACCAAGCTGAGAGAAATGGGCAGAGAGAAATGTACCAGTACT
GGCCAGCTGAACGATCTGCAAGATACCAGTATTTGTTGTAGATCCCATGGCTGAATATAACATGCCTCA
GTATATCTGAGGGAATCAAGGTACGGATGCCAGGGATGGCCAGTCCCAGACAGTGGCCAGTTCAG
TTCAGTACTGGCCAGACAAGGAGTCCAAAGTCTGGAGAAGGATTTATTGACTTCATTGGCCAAGTCC
ATAAAACAAAGGAGCAGTTTGGCCAAGATGGGCCATTTCCGTGCATTGCAGTGCCGCGCTTGAAGAAC
TGGAGTTTTATACATTGAGTATTGTGTTGAAAGAATGAGATATGAAGGGTGGTAGATATCTTCCAG
ACTGTCAAATGTTAAGAACACAACGACCAGCCATGGTACAAACAGAGGATCAATACCAGTCTGTATC
GAGCCGCACTAGAATACCTGGGCAGCTTGTACTATGCAACGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011211
Insert Size: 4527 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:	<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:	NM_011211.3 , NP_035341.2
RefSeq Size:	9127 bp
RefSeq ORF:	4527 bp
Locus ID:	19266
UniProt ID:	Q64487
Cytogenetics:	4 36.94 cM
Gene Summary:	<p>Can bidirectionally induce pre- and post-synaptic differentiation of neurons by mediating interaction with IL1RAP and IL1RAPL1 trans-synaptically (PubMed:25908590). Involved in pre-synaptic differentiation through interaction with SLITRK2 (PubMed:25989451). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.</p> <p>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.</p>