

Product datasheet for MC229593

Ptprt (NM_001291150) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprt (NM_001291150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptprt
Synonyms:	mKIAA0283; mRPTPrho; R-PTP-T; RPTP-rfo; RPTP-rho; RPTPmam4; RPTPrho
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229593 representing NM_001291150 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAGCCTTGGCGGGCTCGCCCTCTGCCTGCTCCGGCTCCTGCTCCTGGGGCTGCAGCGCCCGCGT
TGCCCGGCGCCGAGCGCAGAGCGCCGAGGTGGCTGTTCTTTGACGAACATTACAGCAACTGCGGGTA
TAGCGTGGCTCTGGGAACCAATGGGTTTACCTGGGAGCAGATTAACACATGGGAGAAGCCAATGCTGGAC
CCAGCTGTGCCACAGGGTCCTTCATGATGGTGAACAGCTCTGGAAGGGCTTCAGGCCAGAAAGCCATC
TCTTCTGCCAACCTGAAGGAGAATGACACTCACTGCATTGACTTCCATTACTACTTCTCCAGTCGAGA
TCGCTCCAGCCCGGAGCCTTGAATGTCTACGTGAAGGTGAATGGTGGACCCCAAGGGAACCCTGTCTGG
AACGTATCTGGCGTCTGACTGAGGGCTGGGTGAAGGCAGAGCTTGCCATCAGCACCTTCTGGCCTCATT
TCTATCAGGTGATTTGAATCCGTCTCTTTGAAAGGTCATCCTGGTTACATCGCTGTGGACGAAGTTCC
GGTCCCTTGCTCATCCATGCAGAAAAGCACCTCATTTCTGCGACTCCAAAACGTTGAGGTGAATGTGGGG
CAGAACGCCACGTTTCAGTGCATTGCTGGTGGAAAGTGGTCCCAGCATGACAAAACCTTTGGCTCCAGCAAT
GGAATGGCAGAGACACAGCCCTCATGGTCACCCGGGTGGTCAACCACAGACGCTTCTCAGCCACAGTGAG
TGTGGCAGACACCTCTCAACGCAGTATCTCAAGTATCGCTGCGTGATCCGCTCAGATGGTGGGCTGTTGT
GTGTCCAATATGCAGAGCTGATTGTGAAAGAGCCTCCCACGCCATTGCTCCCCGGAACACTACTGGCCG
TGGGTGCCACCTACCTGTGGATTAACCAAAATGCCAACTCCATTATTGGGGATGGCCCCATCATACTGAA
GGAGGTAGAATACCGCACAACCACAGGAACCTGGGCCGAGACCCACATCGTGGACTCTCCCAACTACAAG
CTCTGGCATCTGGACCCTGATGTGGAGTATGAGATCCGGGTGCTGCTCACACGACCAGGAGAGGGGGCA
CAGGACCACCAGGACCACCCTAACTACCAGGACCAAGTGTGCCGATCCCGTGCATGGCCCGCAGAATGT
GGAGATTGTGGACATTCGGGCTCGGCAGCTGACCCTGCAGTGGGAACCTTTGGCTATGCAGTGACCCGC
TGCCACAGCTACAACCTCACAGTGCAGTACCAGTACGTGTTCAACCAGCAGCAGTATGAAGCTGAAGAGG
TGATCCAGACATCTCCCACTATACCCTTCGGGGTCTACGGCCCTTCATGACCATCAGACTGCGGCTGCT
ACTGTCCAACCTGAGGGCCGGATGGAGAGTGGAGAGTTGGTGGTACAGACAGAAGAGGATGTTCCAGGA
GCTGTTCTCTCGAGTCCATCCAAGGGGTCCCTTTGAGGAGAAGATCTACATCCAGTGGAAACCTCCCA



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ATGAGACCAATGGGGTCATCACACTCTATGAGATTAACAAGGCTGTGGGCTCACTGGATCCAAGTGC
 TGACCTCTCCAGCCAGAGGGGAAAGGTGTTCAAACCTCCGGAATGAAACCCACCACCTCTTTGTGGGTCTG
 TACCCTGGGACTACCTACTCTTTACCATTCAAGGCCAGCACAGCCAAGGGCTTTGGACCCCAAGTCACTA
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 AGATAAACCATCACGGTGATGCTCAAACCCGCCAGTCCAGGGAGCCCAAGTCAAGTGTACCAGCTG
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 GCCTGTCAACCCAGCCATTTACAGTGGGAGACAACAAGACCTACAATGGCTACTGGAACCCCTCTCTCC
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 CACGGTGAAGATGGCTGGCGTATTGCTGGCCTCCTCATGTTTATCATCATTCTCTGGGGGTGATGCTG
 ACCATCAAAGGAGAAGAAATGCTTATTCTGACTCTATTACTTGAAGCTGGCTAAGAAGCAGAAGGAGA
 CCCAGAGTGGAGCCAGAGGGAGATGGTCTGTGGCCTCGACTGACAAGCCTACCGCAAGCTCGGCAC
 CAACCGCAATGATGAAGGCTTCTCTCCAGCTCTCAGGATGTTAATGGATTACAGATGGCAGCCGTGGG
 GAGCTGTCTCAGCTACCTCACCATTGACTCATCCCTACCGACTTGTGACCCTGTAGAGATGAGCT
 ATCCCCGGGACAGTTCCAGCCTGCCATCCGGGTGGCGGACCTGCTTCAACACATACCCAGATGAAGAG
 AGGCCAGGGTACGGGTTCAAGGAGGAATACGAGGCCTTACCAGAAGGACAGACAGCTTCGTGGGACACA
 GCCAAGGAAGATGAAAACCGCAATAAGAATCGATACGGAACATCATATCTTATGACCACTCTCGAGTAA
 GGCTGTTGGTGTGGATGGAGACCCTCACTCAGACTACATCAATGCCAATACATTGACGGGTACCACCG
 ACCCCGGCACTACATTGCAACCAAGGTCCAATGCAAGAGACGGTGAAGGACTTTTGGAGAATGATCTGG
 CAGGAAAACCTCTGCCAGCATCGTATGGTCACAAACCTTGTGGAAGTGGGAGGGTGAAGTGTGTCGAT
 ACTGGCCAGATGACACAGAGGTCTATGGAGACATTAAGTACCCTAATAGAAACAGAGCCCTGGCAGA
 ATACGTCATCCGCACCTTACAGTCCAGAAGAAAGGCTACCATGAGATCCGGGAGCTCCGCTCTCCAC
 TTCACCAGCTGGCCTGACCACGGTGTCCCTGCTATGCCACTGGCCTTCTGGGCTTTGTCCGCCAGGTCA
 AGTTTCTCAATCCCCAGAAGCTGGGCCATAGTGGTCCATTGCAAGTGTGGAGCCGGGAGGACTGGCTG
 CTTTATTGCGATTGACACCATGCTCGACATGGCTGAGAATGAAGGGGTTGTGGACATCTTCAACTGTGTG
 CGTGAGCTCCGGGCACAGAGGTCAACCTGGTGCAGACAGAGGAGCAGTACGTGTTTGTGCACGATGCCA
 TCCTGGAAGCATGCCTCTGCGGCAATACTGCCATCCCAGTGTGTGAGTTCGGCTCTCTACTACAACAT
 CAGCAGGCTGGACCCGACAGCAACTCCAGCCAGATCAAAGACGAGTTTCCAGACTCAACATTGTGACA
 CCTCGAGTGGCCTGAAGACTGCAGCATTGGGCTTTACCCCGAACCATGATAAGAATCGGAGCATGG
 ATGTCCTGCCTCTGGACCCTGTCTACCCTTCTCATCTCAGTAGATGGAGAGTCCAGCAACTACATCAA
 TGCAGCACTGATGGATAGCCACAAGCAGCTGCCGCTTTCGTGGTCAACCCAGCATCTCTACCCAACAGG
 GTGGCAGACTTCTGGAGGCTGGTGTGATTATAATTGTTTCATCTGTGGTGTGTAACGAGATGGATA
 CTGCTCAGCTCTGTATGCAGTACTGGCCTGAGAAGACCTCCGGGTGTTATGGTCCCATCCAGGTGGAGTT
 TGTCTCTGCAGACATCGATGAGGACATCATCCACAGAATCTTCCGGATCTGTAACATGGCTCGGCCACAG
 GATGGTTATCGTATTGTCCAGCACCTCCAGTACATCGGCTGGCCTGCATACCGGGACACGCCCCCTCTA
 AGCGCTCTCTGCTCAAAGTGGTCCGACGGCTGGAGAAATGGCAGGAGCAATACGACGGAAGAGAGGGCG
 CACTGTGGTCCACTGCCTAAATGGGGAGGCCGAGTGGAACTTCTGTGCTATCTGCAGTGTGTGTGAG
 ATGATCCAGCAGCAGAACATTATTGACGTGTTCCACATTGTGAAAACCCCTCCGCAACAACAAGTCCAACA
 TGGTGGAGACGCTGGAACAGTATAAATTTGTATATGAGGTGGCACTGGAATATTTAAGCTCCTTT TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001291150
 Insert Size: 4338 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_001291150.1, NP_001278079.1</u>
RefSeq Size:	12129 bp
RefSeq ORF:	4338 bp
Locus ID:	19281
UniProt ID:	<u>Q99M80</u>
Cytogenetics:	2 81.91 cM
Gene Summary:	May be involved in both signal transduction and cellular adhesion in the CNS. May have specific signaling roles in the tyrosine phosphorylation/dephosphorylation pathway in the anterior compartment of the adult cerebellar cortex.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains an additional in-frame exon but lacks a different in-frame exon in the central coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.