

Product datasheet for **MC229595**

Ptprt (NM_001291149) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprt (NM_001291149) 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:	>MC229595 representing NM_001291149 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAGCCTTGGCGGGCTCGCCCTCTGCCTGCTCCGGCTCCTGCTCCTGGGGCTGCAGCGCCCGCGT
TGCCCGGCGCCGAGCGCAGAGCGCCGAGGTGGCTGTTCTTTTGACGAACATTACAGCAACTGCGGGTA
TAGCGTGGCTCTGGGAACCAATGGGTTTACCTGGGAGCAGATTAACACATGGGAGAAGCCAATGCTGGAC
CCAGCTGTGCCACAGGGTCCTTCATGATGGTGAACAGCTCTGGAAGGGCTTCAGGCCAGAAAGCCATC
TCTTCTGCCAACCTGAAGGAGAATGACACTCACTGCATTGACTTCCATTACTACTTCTCCAGTCGAGA
TCGCTCCAGCCCGGGAGCCTTGAATGTCTACGTGAAGGTGAATGGTGGACCCCAAGGGAACCCTGTCTGG
AACGTATCTGGCGTCTGACTGAGGGCTGGGTGAAGGCAGAGCTTGCCATCAGCACCTTCTGGCCTCATT
TCTATCAGGTGATATTTGAATCCGTCTCTTTGAAAGGTCATCCTGGTTACATCGCTGTGGACGAAGTTCC
GGTCCCTTGCTCATCCATGCAGAAAAGCACCTCATTCTCGGACTCCAAAACGTTGAGGTGAATGTGGGG
CAGAACGCCACGTTTCAGTGCATTGCTGGTGGAAAGTGGTCCCAGCATGACAACTTTGGCTCCAGCAAT
GGATGGCAGAGACACAGCCCTCATGGTCACCCGGGTGGTCAACCACAGACGCTTCTCAGCCACAGTGAG
TGTGGCAGACACCTCTCAACGCAGTATCTCAAGTATCGCTGCGTGATCCGCTCAGATGGTGGGCTGGT
GTGTCCAATATGCAGAGCTGATTGTGAAAGAGCCTCCCACGCCATTGCTCCCCGGAACACTACTGGCCG
TGGGTGCCACCTACCTGTGGATTAACCAAAATGCCAACTCCATTATTGGGGATGGCCCCATCATACTGAA
GGAGGTAGAATACCGCACAACCACAGGAACCTGGGCCGAGACCCACATCGTGGACTCTCCCAACTACAAG
CTCTGGCATCTGGACCCTGATGTGGAGTATGAGATCCGGGTGCTGCTCACACGACCAGGAGAGGGGGCA
CAGGACCACCAGGACCACCCTAACTACCAGGACCAAGTGTGCCGATCCCGTGCATGGCCCGCAGAATGT
GGAGATTGTGGACATTCGGGCTCGGCAGCTGACCCTGCAGTGGGAACCTTTGGCTATGCAGTGACCCGC
TGCCACAGCTACAACCTCACAGTGCAGTACCAGTACGTGTTCAACCAGCAGCAGTATGAAGCTGAAGAGG
TGATCCAGACATCTCCCACTATACCCTTCGGGGTCTACGGCCCTTCATGACCATCAGACTGCGGCTGCT
ACTGTCCAACCTGAGGGCCGGATGGAGAGTGGAGAGTTGGTGGTACAGACAGAAGAGGATGTTCCAGGA
GCTGTTCTCTCGAGTCCATCCAAGGGGTCCCTTTGAGGAGAAGATCTACATCCAGTGGAAACCTCCCA



ATGAGACCAATGGGGTCATCACACTCTATGAGATTAACAAGGCTGTGGGCTCACTGGATCCAAGTGC
 TGACCTCTCCAGCCAGAGGGGAAAGGTGTTCAAACCTCCGGAATGAAACCCACCACCTCTTTGTGGGTCTG
 TACCCTGGGACTACCTACTCTTTACCATTCAAGGCCAGCACAGCCAAGGGCTTTGGACCCCCAGTCACTA
 CTCGGATTGCCACCAAGATTTACAGTCCATCAATGCCTGAATATGACGCAGATACCCCACTCAATGAAAC
 AGATAAACCATCACGGTGATGCTCAAACCCGCCAGTCCAGGGGAGCCCCAGTCACTGTTTACCAGCTG
 GTTGTCAAGGAGGAGCGACTCCAGAAGTCTCGGAGAGCAGCTGACATCATTGAGTGTTCCTCAGTACCTG
 TGAGTACCCGGAACGCCCTCCAACCTCGATTCCGCTACACTACTTTGCTGCTGAGCTGAAGCCCTCCAACCT
 GCCTGTCAACCAGCCATTTACAGTGGGAGACAACAAGACCTACAATGGCTACTGGAACCCCTCCTCTCC
 CCATTGAAGAGCTACAGCATCTACTTCCAGGCCCTCAGCAAAGCAAATGGAGAGACAAAAATCAACTGTG
 TCGCTCTGGCTACAAAAGGTGCTTCCACTCAGAATTCTAACACTGTGGAGCCGGAGAAGCAGGTCGACAA
 CACGGTGAAGATGGCTGGCGTGATTGCTGGCCTCCTCATGTTTCATCATCATTCTCCTGGGGGTGATGCTG
 ACCATCAAAGGAGGAAGCTGGTAAGAAGCAGAAGGAGACCCAGAGTGGAGCCAGAGGGAGATGGGTC
 CTGTGGCCTCGACTGACAAGCCTACCGCAAGCTCGGCACCAACCGAATGATGAAGGCTTCTCCTCCAG
 CTCTCAGGATGTTAATGGATTACAGATGGCAGCCGTGGGAGCTGTCTCAGCCTACCCTACCATTACAG
 ACTCATCCCTACCGGACTTGTGACCCTGTAGAGATGAGCTATCCCCGGGACCAGTTCAGCCTGCCATCC
 GGGTGGCGGACCTGCTTCAACACATCACCCAGATGAAGAGAGGCCAGGGCTACGGGTTCAAGGAGGAATA
 CGAGGCCCTTACCAGAAGGACAGACAGCTTCGTGGGACACAGCCAAGGAAGATGAAACCCGAATAAGAAT
 CGATACGGAAACATCATATCTTATGACCACTCTCGAGTAAGGCTGTTGGTGTGATGGAGACCCTCACT
 CAGACTACATCAATGCCAACTACATTGACGGGTACCACCAGCCCCGGCACTACATTGCAACCCAAGGTCC
 AATGCAAGAGACGGTGAAGGACTTTTGGAGAATGATCTGGCAGGAAAACCTCTGCCAGCATCGTCATGGTC
 ACAAACTTGTGGAAGTGGGCAGGCACCCAGCGGAACACACTGTGGAACTGCCACGCTAGGCCGTGCTG
 CATCCCCGGAATGGTGAAGTGTGTCGATACTGGCCAGATGACACAGAGGTCTATGGAGACATTAAGT
 CACCCTAATAGAAACAGAGCCCCCTGGCAGAATACGTATCCGCACCTTCCAGTCCAGAAGAAAGGCTAC
 CATGAGATCCGGGAGCTCCGCCTTCCACTTACCAGCTGGCCTGACCAGGTGTTCCCTGCTATGCCA
 CTGGCCTTCTGGGCTTTGTCCGCCAGGTCAAGTTTCTCAATCCCCAGAAGCTGGGCCCATAGTGGTCCA
 TTGCAAGTGTGGAGCCGGGAGGACTGGCTGCTTATTGCGATTGACACCATGCTCGACATGGCTGAGAAT
 GAAGGGTTGTGGACATCTTCAACTGTGTGCGTGAGCTCCGGGCACAGAGGGTCAACCTGGTGCAGACAG
 AGGAGCAGTACGTGTTGTGACGATGCCATCCTGGAAGCATGCCTCTGCGGCAATACTGCCATCCCAGT
 GTGTGAGTTCGCTCTCTACTACAACATCAGCAGGCTGGACCCGCAGACCACTCCAGCCAGATCAA
 GACGAGTTTCAGACACTCAACATTGTGACACCTCGAGTGGCCCTGAAGACTGCAGCATTGGGCTTTAC
 CCCGGAACCATGATAAGAATCGGAGCATGGATGTCCTGCCTCTGGACCGTGTCTACCCTTCTCATCTC
 AGTAGATGGAGAGTCCAGCAACTACATCAATGCAGCACTGATGGATAGCCACAAGCAGCCTGCCGCCTT
 GTGGTCAACCAGCATCCTTACCACACCGGTGGCAGACTTCTGGAGGCTGGTGTGTTGATTATAATTGTT
 CATCTGTGGTGTGCTGAACGAGATGGATACTGCTCAGCTCTGTATGCAGTACTGGCCTGAGAAGACCTC
 CGGGTGTATGGTCCCATCCAGTGGAGTTGTCTCTGCAGACATCGATGAGGACATCATCCACAGAATC
 TTCCGGATCTGTAACATGGCTCGGCCACAGGATGGTTATCGTATTGTCCAGCACCTCCAGTACATCGGCT
 GGCCTGCATACCGGGACACGCCCCCTCTAAGCGCTCTGCTCAAAGTGGTCCGACGGCTGGAGAAATG
 GCAGGAGCAATACGACGGAAGAGAGGGGGCAGCTGTGGTCCACTGCCTAAATGGGGGAGGCCGAGTGA
 ACCTTCTGTGCTATCTGCAGTGTGTGAGATGATCCAGCAGCAGAACATTATTGACGTGTTCCACATTG
 TGAACCCCTCCGCAACAACAAGTCCAACATGGTGGAGACGCTGGAACAGTATAAATTTGTATATGAGGT
 GGCACTGGAATATTTAAGCTCCTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001291149
 Insert Size: 4368 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_001291149.1</u> , <u>NP_001278078.1</u>
RefSeq Size:	12159 bp
RefSeq ORF:	4368 bp
Locus ID:	19281
UniProt ID:	<u>Q99M80</u>
Cytogenetics:	2 81.91 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.</p>