

Product datasheet for **MC224484**

Ptpru (NM_001083119) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpru (NM_001083119) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpru
Synonyms:	Ftp-1; PCP-2; Pcp2; PTP; PTP-lambda; Ptpf; PTPlambda; Ptpri; R-PTP-psi; R-PTP-U; RPTPlambda
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224484 representing NM_001083119 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGGGCTCAGGCTCTGGTCTGGCGCTCACCTTCCAGTTCTGCGCGCCTGAGACCGAGACTCCCG
CAGCTGGCTGCACCTTCGAGGAGGCGAGTGACCCGGTCGTGCCCTGCGAGTTCAGCCAGGCTCAGTATGA
CGACTTCCAATGGGAGCAAGTGGGATCCACCCGGCACCCGGACCCCTGAAGACCTGCCCATGGTGCC
TACTTGATGGTCAATGCTTCTCAGCATGCCCGAGGTGAGAGGGCCACATCATCTCCAGACCCTGAGCG
AGAACGACACCCATTGTGTGAGTTCAGTACTTCTGTACAGCAGGGATGGGCACAGCCAGGCACCCCT
GGGGTCTACGTGCGCGTGAATGGGGCCCTCTGGGCAGTGCCGTGTGGAATATGACCGGATCCCACGGC
CGTCAGTGGCACCAGGCTGAGCTGGCTGTGACACCTTCTGGCCAATGAGTATCAGGTGCTGTTTGAGG
CCCTCATCTCCCAGACCACAAGGGCTACATAGGCTTAGACGACATCTTGCTCTTCAGCTATCCCTGCGC
AAAGGCCCTCACTTCTCCCGCCTTGGGGACGTGGAGTCAATGCAGGCCAGAACGCATCCTTCCAATGC
ATGGCAGCAGGCAGAGCCGAGAGGCAGAACACTTCTTCTGCAGCGTCAGAGTGGAGTGGTGGTGCCTG
CGGCCGGGTGCGGCACATCAGCCACCGTTCCTGGCCACTTTCCGCTGGCCTCGGTAGGCCGCTC
AGAGCAGGATCTGTACCGTTGCGTGTCCCAGGCCCGCGTGGTGTGGCTCTCCAATTTGCAGAGCTC
ATCGTCAAAGAGCCTCCCACCCCATCGCGCCCCACAGCTGCTGCGTGCAGGCCCCACCTACCTCATT
TCCAGCTCAACACCAACTCCATCATTGGCGACGGGCCGATCGTGCGAAGGAGATCGAGTACCGCATGGC
ACGGGGCCCGTGGGCCGAGGTGCACGCTGTCAACCTGCAGACCTACAAGCTGTGGCATCTGGACCCAGAC
ACTGAGTATGAAATCAGCGTGTCTCACACGCCCGGAGATGGAGGCACAGGCCGCCCTGGGCCACCAC
TGATCAGCCGGACCAAGTGGCAGAGCCACGAGGGCCCCAAAGGTCTGGCTTTTGTGAGATCCAGGC
TCGCCAGCTGACCCTGCAGTGGGAGCCCTGGGCTATAATGTACACGTTGTACATACCTACGCTGTGTC
CTTTGCTATCGTACACCCTGGGCGGCAGCCACAACCAGACCATCCGGGAGTGTGTGAAGATGGAGCGGG
GTGCCAGCCGCTACACCATCAAGAATCTGCTGCCATTAGAAACATCCAGTGCCTGATTCTCACAAA
CCCTGAGGGGCGCAAGGAGGGCAAGGAGGTACCTTCCAGACAGATGAAGATGTGCTGGTGGGATTGCA
GCTGAGTCCCTAACCTTCACTCCACTGGAGGACATGATCTTTCTCAAGTGGGAGGAGCCCCAGGAGCCCA



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ATGGCCTCATCACTCAGTATGAGATCAGCTACCAAAGCATTGAGTCTCAGACCCAGCAGTGAACGTGCC
 CGGCCCGAGACGCCATCTCCAACTCCGGAATGAGACTTACCACGTCTTCTCCAACTGCATCCCGGC
 ACCACGTATCTGTTCTCCGTGCGTGTCTCGGACGAGCAAGGGCTTCGGCCAGGCGGCTCTCACTGAGATAA
 CCACCAACATCTCAGTCCCAGCTTTGATTATGCCGACATGCCGTCAACCCTGGGCGAGTCCGAGAACAC
 CATCACTGTGCTGTTGAGGCCGGCCAGGGCCGAGGAGCCCCATCAGCGTCTACCAGGTGGTTGTGGAG
 GAAGAGCGGCCACGGCGCTTGGCGGGGAGCCCGAGCTCAGGACTGCTTCTCGGTACCTCTGACCTTTG
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 CATGCCCTTACCCTGGGTGACAACAGACCTATCGTGGCTTCTGGAACCCACCGCTTGAGCCAGAAAG
 GCCTATCTCATCTATTTCCAGGCAGCAAGCCACCTGAAAGGGGAAACCCGACTGAACTGCATCCGAATTG
 CCAGGAAAGTGCCTGCAAGGAGAGCAAGCAGCCCTCGAAGTGTCCAGAGATCGGAGGAGATGGGGCT
 CATCTGGGCATCTGTGACAGGTGGTCTTCCGCTCCTATTCTCCTCTGGGGGCCATCATTGTATCATC
 CGCAAAGGGAGGACCGCTATGCCTACTTACTACCCGAAGCCAGTGAACATGACGAAAGCCACGGTCA
 ACTACCGCAGGAGAAGACTCACATGATGAGTCCGTGGACCGCAGCTTACAGATCAGAGTACTCTGCA
 GGAGGATGAGCGTTGGTCTGTCTTTATGGATGCTCCTGGCTATAGTCTCTGGAGACCAGCGAAGC
 GGTGGTGTACCGAGGCCAGCAGCTCCTGGGGGTTCTCAAGGCGCCATGCGGCCGGAAGGTTCTC
 CGTATCATACCGGCAGCTCCACCTGCAGTCCGAGTGGCTGACCTTCTACAGCAGATCAACCAGATGAA
 GACAGCCGAGGGCTACGGCTTCAAGCAGGAGTACGAGAGTTTCTTTGAGGGCTGGACGCCACCAAGAAG
 AAAGACAAGTCAAGGGCGGCCGACAGGAGCCAGTGTCTGCCTATGATCGACACCATGTGAAACTACACC
 CGATGCTGGCAGACCCTGATGCCGACTACATCTCTGCCAACTACATAGACGGCTACCACAGGTCAAACCA
 CTTATAGCCACTCAAGGGCCAAAGCCTGAGATGATCTACGATTTCTGGCGCATGGTGTGGCAGGAACAG
 TGTGCGAGCATCGTATGATCACAAGCTGGTAGAGTGGCAGGGTGAAGTGTCTCGTACTGGCCTG
 AGGACTCAGACATGTATGGGACATCAAGATCACGCTGGTAAAGACAGAGACTGGCTGAGTATGTGGT
 GCGCACCTTTGCCCTGGAGCGGAGAGTTACTCAGCCCGCATGAGTCCGCCAGTTCCATTTACAGCG
 TGGCCAGAGCATGGTGTCCCCTACCAGCCACGGGGCTGCTGGCCTTATCCGGCGTGTGAAGGCTTCCA
 CTTCCACCTGATGCCGGGCCATTGTCACTCACTGCAAGTGCAGGAACTGGCCGCACAGGCTGCTACATCGT
 CCTGGATGTGCTGGACATGGCTGAATGTGAGGGGGTGGTGGACATTTACAAGTGTGTGAAGACCCTC
 TGTTCGCCAGGGTCAACATGATCCAGACGGAGGAACAATATATCTTATCCACGATGCAATCTTGGAGG
 CCTGCCTGTGTGGGAGACCACCATCCCTGTCAACGAGTTCAGGCCACCTACAGGGAGATGATCCGCAT
 TGACCCTCAGAGCAATTCCTCCAGCTTCGGGAAGAGTTCAGACGCTGAACTCGGTACGCCGCCGCTG
 GATGTGGAGGAGTAGCATTGCCCTGCTGCCCGGAATCGAGACAAGAACCAGTACGATGGATGTGCTGC
 CACCAGACGCTGCCTGCCCTTCTCATCTCCAGTGTGGGACCCCAATAACTACATCAATGCAGCACT
 GACTGACAGCTACACACGGAGCGCCGCTTATCGTGGCCTGCACCCGCTGCAGAGTACCAGCCCGAC
 TTCTGGCGGCTGGTCTACGACTACGGGTGCACCTCCATCGTCATGCTGAACCAACTTAACCAGTCCAAC
 CCGCCTGGCCCTGCTTGCAGTACTGGCCGAGCCAGGCGACAGCAGTATGGGCTCATGGAGGTGGAGTT
 TGTGTCTGGCACAGAAACGAGGATTTGGTGTCCCGAGTGTCCGGGTGCAGAACTTCTCTCGGCTGCAG
 GAGGGTCACTGCTGGTACGGCACTTCCAGTTTCTGCGTTGGTCTGCTTATCGGGACACGCTGACTCCA
 GGAAGGCCTTTCTGCACCTGTTGGCTGAGGTGGACAAGTGGCAGGAGAGAGTGGGATGGGCGCACCGT
 GGTGCATTGTCTCAACGGGGTGGCCGAGTGGCACCTTCTGCGCTGTGCCACGGTCTTGGAGATGATC
 CGCTGTACAGCCTGGTGGATGTTTTCTTTGCTGCCAAAACACTTCGGAACCTACAAGCCCAATATGGTGG
 AGACCATGGATCAGTATCATTCTGCTACGACGTGGCCCTGGAGTACCTGGAGGCTCTGGAGTTGAGATA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001083119
Insert Size: 4341 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:	<u>NM_001083119.2, NP_001076588.1</u>
RefSeq Size:	5528 bp
RefSeq ORF:	4341 bp
Locus ID:	19273
UniProt ID:	<u>B1AUH1</u>
Cytogenetics:	4 64.5 cM
Gene Summary:	<p>Tyrosine-protein phosphatase which dephosphorylates CTNNB1. Regulates CTNNB1 function both in cell adhesion and signaling. May function in cell proliferation and migration and play a role in the maintenance of epithelial integrity. May play a role in megakaryocytopoiesis (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2).</p>