

Product datasheet for **MC221935**

Ptpra (NM_008980) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpra (NM_008980) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpra
Synonyms:	Ptpa; Ptpalpha; Rptalpha; Rptpra; Rptralpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221935 representing NM_008980
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTCCTGGTTCATTCTTGTCTGTTGGCAGTGGTCTAATACATGTTAGTGCCAACAATGCTACTA
 CAGTTTACCTTTCTTAGGAACGACAAGATTAATTAACAACATCAACAACAGAATTGGCTAAGGAAGAGAA
 TAAAACTCAAATTCAACCTCTTCAGTAATTTCTTTCTGTGGCACCAACATTCAGCCAAACCTGACT
 CTGGAGCCACCTATGTGACTACTGTTAATTTCTCACACTCTGACAATGGGACCAGGAGGGCAGCCAGCA
 CGGAATCTGGAGGCACTACCATTTCCCGAACGGAAGCTGGCTTATTGAGAACCAGTTACGGATGCCAT
 AACAGAACCCTGGGAGGGGAACCTCCAGCACTGCAGCAACCCTCCAGAAACCTTCCCCCGGCAGATGAG
 ACACCAATTATTGCGGTGATGGTGGCCCTGTCTCTCTGCTAGTAATCGTGTATTATCATAGTCTGT
 ACATGTTAAGGTTAAGAAATACAAGCAAGCTGGGAGTCATTCCAACCTTTCCGCTGTCAAATGGCCG
 CACGGAGGATGTGGAGCCCAAAGTGTACCACTCTGGCCAGGTCCTCAAGCACAACAGGAAGTACCCA
 CCACTGCCTGTGGACAAGCTGGAAGAGGAGATTAAACGGAGAATGGCTGATGACAATAAGCTCTTCAGAG
 AAGAATCAACGCTCTCCCTGCTGTCTATCCAGGCCACCTGTGAGGCTGCCTCCAAGGAAGAAAACAA
 GGAAAAAACCGCTATGTAACATCCTGCCCTTTCTCTTTAGCTGTGAGCAAGGATGCAGTGAAGCA
 CTGAACAAAACCACTCCATTGCTAGAAAGAAGGTTTATTGGGAAATCAAACCTCCAGAGGCTGTCTCTCAG
 ATGACCACTCTAGAGTGCACCTGACACCTGTTGAAGGGTCCCAGATTCTGATTACATCAACGCTTCATT
 CATTAAATGGCTACCAGGAAAAGAACAATTCATCGCTGCACAAGGACCAAAAAGAAGAAACAGTGAATGAC
 TTCTGGAGAATGATATGGGAACAAAACACAGCTACTATTGTGTCATGGTGACCAACCTGAAGGAGAGAAAGG
 AGTGTAATGTGCCAATACTGGCCAGCAACAGGCTGCTGGACCTATGGGAATGTCGCTGTCTGTCTGTCG
 GGATGTGACTGTTCTGGTGGACTACACAGTACGGAAATTCGATCCAGCAGGTGGGCGACGTGACCAAC
 AGGAAACCACAGCGCTCATCACTCAGTTCACCTTACCAGCTGGCCAGACTTTGGGGTGCCTTTACCC
 CAATTGGCATGCTCAAGTTCCTCAAGAAGGTGAAGGCCTGTAACCCTCAGTACGCAGGGGCTATCGTGGT
 CCACTGCAGTGCAGGTGTAGGGCGCACTGGCACCTTTGTTGTCATCGATGCCATGCTGGACATGATGAT
 TCGGAACGCAAAGTGGATGTATACGGTGTGTGAGCCGGATCCGGGCCAGCGCTGCCAGATGGTACAGA
 CAGACATGCAGTACGCTTCATATACCAGGCCCTTCTGGAGCATTATCTGTATGGGGACACAGAAGTGA
 AGTGACTTCTAGAAAACCCACCTACAAAAATTTATAACAAGATCCCAGGGACGAGCAACAACGGGTTA
 GAGGAGGAGTTTAAAGAAATTAACCTCAATCAAAATCCAGAAATGACAAGATGCGCACGGGAAACCTCCAG
 CCAACATGAAGAAGAACCAGGTTTTACAGATCATTCCATATGAATTTAACAGAGTATCATTCCAGTCAA
 ACGAGGGCAAGAGAACACAGACTATGTGAACGCATCCTTCATTGATGGATACCGGCAGAAAGACTCCTAC
 ATTGCCAGCCAGGGCCCTTCTCCACACGATTGAGGACTTCTGGCGAATGATCTGGGAGTGAAGTCTCT
 GTTCTATCGTAATGCTGACAGAAGTGAAGAGAGAGGCCAGGAGAAGTGTGCCAGTACTGGCCATCTGA
 TGGCCTGGTGTCTATGGAGACATCACAGTTGAGCTGAAGAAGGAGGAGGAATGTGAAAGCTACACTGTC
 CGAGACCTCCTGGTCACCAACACCAGGGAGAACAAGAGTCGGCAAATCCGGCAGTCCACTTCCACGGCT
 GGCTGAGGTGGCATCCCCAGCGACGGCAAGGGCATGATCAACATCATTGCAGCAGTGCAGAAGCAGCA
 GCAGCAGTCGGGAACCATCCCATCACTGTGCACTGCAGTGCAGTCCGGGGCAGGACGGACAGGAACCTTCTGT
 GCCTTGAGCACAGTCTGGAACGTGTGAAAGCAGAAGGAATTTTATAGTGTCTTCCAAACTGTCAAGAGCC
 TGGCGCTGCAGAGGCCACACATGGTCCAGACACTGGAACAGTATGAATTCGCTACAAGGTGGTACAGGA
 GTACATTGACGCCTTTTTCAGATTATGCCAACTTCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008980
Insert Size: 2490 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_008980.2 , NP_033006.2
RefSeq Size:	3609 bp
RefSeq ORF:	2490 bp
Locus ID:	19262
UniProt ID:	P18052
Cytogenetics:	2 63.23 cM
Gene Summary:	<p>Tyrosine protein phosphatase which is involved in integrin-mediated focal adhesion formation (PubMed:22801373). Following integrin engagement, specifically recruits BCAR3, BCAR1 and CRK to focal adhesions thereby promoting SRC-mediated phosphorylation of BRAC1 and the subsequent activation of PAK and small GTPase RAC1 and CDC42 (PubMed:22801373).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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>