

Product datasheet for **MC222322**

Ppp1r10 (NM_175934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r10 (NM_175934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppp1r10
Synonyms:	2610025H06Rik; Cat53; D17Ertd808e; Fb19; Pnuts
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222322 representing NM_175934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTCAAGTCCCATAGACCCAAAGAAGTCTCAAGGGCCTGGATAGCTTCTTACCCGGGACGGAG
 AAGTGAAGAGTGTGGATGGAATTTCCAAGATCTTCAGTCTAATGAAGGAGGCACGAAAGATGGTGAAGTGC
 GTGCACGTAAGTGAACATAATCCTGCAGACCCGCGCTCCAGAAGTCTCGTCAAGTTTATTGATGTCGGT
 GGCTACAAGTCTGAACAACCTGGCTAACATATCAAAGACCACCAACAACATTCCTCTCTACAGCAGA
 TTCTGCTGACTCTGCAGCACCTCCCGCTCACTGTGGACCATCTCAAGCAGAAACAACAGCAAACTAGT
 GAAGCAGCTCAGCAAGTCAAGTGAAGTGAAGAGCTCCGAAATGGCATCAGTCTTGTGAGTACTGG
 ATGGCTGCATCCGCTCCAGAGTAGCACCCAGCTGCAGAGAAAGATAAGAAGAAAAGGAAGGAAGAGG
 GAAAAAGTGAACACGCTTCTGAGCGCCTTTGACTGAAGTGAAGGCTGAGACCCGGGCTGAGGAAGC
 CCCAGAGAAGAAGAAAGAGAAGCCAAGTCACTTAGAAGTACGGCACCCAGTCAAGCAAGTTCGGTTCT
 ACTGGACTGGAGCTGGACACCCATCTTTGGTGCCTGTGAAGAAGAACTCCAGCACTGTGGTTGTGTGAG
 ACAAGTACAACCTGAAGCCCATCCCCCTGAAGCGGCAGAGTGCCACAGCTGCTCCAGGTGACGCTGCCCC
 ACCTGCAGAGAAGAAATACAAGCCTCTCAACACAGCCCCCAATACCACCAAGAAATCAAAGTGAAGATC
 ATCCCTCCACAGCCTATGGAGGGCCTGGGTTTTCTGGATGCTCTCAATTCAGCCCTGTCCAGGCATCA
 AAATTAAGAAGAAGAAGAAGGTAATATCGCCGACTGCTGCCAAGCCAGCCCTTTTGAAGGGAAAACAAG
 CACCGAGCAGAGCACAGCCAAACCTTCTCCCCAGAGCCTGCACCACTGCTGAGCCATGGACACGGAC
 CGCCCTGGCACCCCTGTCCCCCTGTTGAAGTTCAGAGCTCATGGATGCAGCCTTTCAGAGCCAGGAG
 CTCTGGATGCAAAAGCCTGTGGACAGCCCTGGAGATCCCAACAGCTGACTCGAAGGGCAGAAAGAGGAA
 AACTGTGACTTGGCCTGAGGAGGCAAGCTGAGAGAGTATTTCTACTTTGAACTGGACGAAACTGAGCGA
 GTGAATGTGAACAAGATCAAAGACTTCGGGGAGGCTGCTAAGCGTGAAGTACTGTCTGACCGACATGCTT
 TCGAGACAGCTCGGCGACTAAGCCATGACAATATGGAGGAGAAAGTGCCTTGGGTGTGCCAGGCCTCT
 GGTTCGCCCTCACCTCTGTGATCCCTGGAAGCAACAGCCAGGAGCGATACATCCAGGCAGAGCGGGAG
 AAGGGCATCCTTCAGGAAGTCTTCTGAACAAGGAGAGTCCACATGAACCTGATCCTGAGCCATATGAAC
 CCATTCACCAAACTCATCCCCTTGGATGAGGAATGTGCCATGGATGAGACTCCATATGTCGAGACCT
 GGAGCCTGGAGGGTCTGGTGGCTCACCTGATGGAGCAGGAGGCTCCAAGTGCCTCCAGTCTGGCCAT
 CTTATGGGAAGCATGGGAGCTGAAAGAGCCCCAGGGCCTGGAGGAGCGGCATCAATGTTTCAGGAGA
 TCCTCACTCCATAATGGGCAGTCAAACAGCCACCCTTCAGAGGAGCTGCTGAAGCAGCCTGACTACTC
 AGACAAGCTCAAGCAGATGCTGGTGCCTCATGGGCTCCTAGTCTCTGGTCTGTGGCCAATGGCTTTCCA
 CCAGGAGGCCCTGGGGGCCCAAGGGTATGCAGCATTTCCCCCTGGTCTGGAGGGCCCATGCCAGGTC
 CCCATGGAGGCCCTGGTGGACAGTGGTCCACGTCTCTTAGGTCCCCACCACCTTCTCGGGGAGGTGA
 TCCATTCTGGGATGGCCAGGTGATCCAATGCGAGGTGGCCCAATGCGTGGGGGTCCAGGACCTGCTCC
 GGACCATACCACAGAGGCCGAGGGGTGAGGAGGAAATGAGCCACCGCCACCACCTCCATTCCGAGGAG
 CCAGAGGAGTCTGTTCCGGAGGAGGACCACCAATGGCCGAGGGGTCTGGTGGAGGAGCATGGTTGG
 AGGTGGTGGGACCGCCCCATGAAGCCCTGGAGGGAGCATGGGCAGTGGACATCGTTCTCATGATGGC
 CCTGGAGGGAACATGGGTGGAAGTGGTGGACATCGTTCCCATGAAGGCCCTGGACACGGAGGCCCATG
 GACACCGACCATGATGTCCTAGCCATCGAGGCCACGACCATCGAGGGCCACCACCTCATGAACACCG
 TGGTCATGATGGCCATGGGGAGGCGGCCACCGAGGCGATGATGGAGGCCACAGTCAAGGAGACATG
 TCAAACCGCCCTGTCTGCCGACACTTATGATGAAGGGCAACTGCCGCTATGAGAACAAGTGCCTTCT
 ACCACCGAGGGTCAATGGGCCCCACTGCC**TAG**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175934
Insert Size: 2625 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_175934.3 , NP_787948.2
RefSeq Size:	4290 bp
RefSeq ORF:	2625 bp
Locus ID:	52040
Cytogenetics:	17 18.77 cM
Gene Summary:	Scaffold protein which mediates the formation of the PTW/PP1 phosphatase complex by providing a binding platform to each component of the complex. The PTW/PP1 phosphatase complex plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase. Mediates interaction of WDR82 and PPP1CA. Inhibitor of PPP1CA and PPP1CC phosphatase activities. Has inhibitory activity on PPP1CA only when phosphorylated. Binds to mRNA, single-stranded DNA (ssDNA), poly(A) and poly(G) homopolymers.[UniProtKB/Swiss-Prot Function]