

Product datasheet for **RN205352**

PPP1R10 (NM_022951) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R10 (NM_022951) Rat Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R10
Synonyms:	Fb19; Pnuts
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN205352 representing NM_022951

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTT**CAGACCC**ATAGACCCAAAGA**ACTTCTCAAGGCCTAGATAGCTTCTTACTCGGGATGGAG**
AAGTGAAGAGTGTGGATGGAA**TGCCAAGATCTTCAGTCTAATGAAGGAGGCACGAAAGATTGGT**GAGT**CG**
ATGCACG**TACTTGAATATTATCCTGCAGACCCGGGCGCCGGAGGTGCTAGTCAAGTTTATTGACGTCGGC**
GGCTACAAG**CTTCTGAACAGTTGGTTAACGTATTCAAAGACGACCAACAACATTCTCTCTACAGCAGA**
TTCTGCTGACTCTGCAGCACCTCC**ACTGACTGTGGACCACCTCAAGCAGAACAACACAGCGAAGCTAGT**
GAAGCAGCTCAGCAAGTCAAGCGAGGACGAAGAGCTCCGAAAT**TGGCATCAGTCTTGTCAGTGACTGG**
ATGGCTGCATCCGCTCCAGAGTAGCACCCAGCCTGCAGAGAAAGATAAGAAGAAAAGGAAGAGG
GGAAAAGT**CGAACACGCTTCTGAGCGCCTTTGACTGAAGTGAAGGCTGAAACCCGGGCTGAGGAAGC**
CCCAGAGAAGAAGAGGAGAAGCCAAGTCACTTAGA**ACTACGGCACCCAGTCATGCCAAGTTCCGTTCT**
ACTGGACTGGAGCTGGACACCCATCTTTGGTGCCTGTGAAGAAGAACTCCAGC**ACTGTGGTTGTGT**CGAG
ACAAGTACAACCTGAAGCCCATCC**CCCTCAAGCGGCAGAGTGCCACAGCTGCTCCAGGCGATGCTGCCCC**
GCCTGCAGAGAAGAAGTACAAGCCCTCAACACAACCCCAATACCACCAAGAAATTAAGTGAAGATC
ATCCCCCACAGCCATGGAGGGCCTCGGTTTTCTGGATGCTCTCAATCCGCCCCTGTCCAGGCATCA
AAATTAAGAAGAAGAAGAAGTTCTATCACCTACTGCTGCCAAGCCAGCCCTTTTGAAGGGAAAACAAG
CACTGAGCCAAGCACAGCCAAACCTTCTCC**CCAGAGCCTGCAGCCCCGCTGAGCCATGGACACAGAC**
CGTCTGGCACCCCTGTCCCGCTGTGGAAGTCCCGGAGCTCATGGATGCAGCCTTTCGGAGCCAGGAG
CTCTGGATGCAAAGCCTGTGAAAGCCCTGGAGATCCCAACCAGCTGACTCGAAAGGGCAGAAAGAGAAA
AACTGTGACGTGGCCTGAGGAGGCAAGCTGAGGGAGTATTTCTACTT**CGAACTGGATGAAACTGAGCGA**
GTGAATGTGAACAAGATCAAGGACTTTGGGGAGGCTGCTAAGCGT**GAGACTGTGCGACC**GACATGCTT
TTGAGACAGCCCGGCGACTAAGCCATGACAATATGGAGGAGAAAGTGCCTGGGTATGTCCAGGCCTCT
GGTTCTGCCCTCACCTCTGTCTCCCTGGAAGCAACAGCCAGGAGCGATACATCCAGGCTGAGCGGGAG
AAGGGCATCCTTCAGGAGCTCTTCTGAACAAGGAGAGTCTCACGAGCCTGATCCTGAGCCGTATGAAC
CCATTCTCCAACTCATCCCCTTGGATGAGGAGTGCGCCATGGATGAGACTCCGTATGTTGAGACCT
GGAGCCTGGAGGGTCTGGTGGCTCACCTGATGGAGCAGGAGGCTCCAAGTGCCTCCAGTCTGGCCAAT
CTTATGGGGAGCATGGGAGCAGGAAGAGCCCCAGGGCCCTGGAGGCGTGGCATCAATGTT**CAGGAGA**
TCCTCACTTCATAATGGGCAGTCCAAACAACCACCTTCAGAGGAGCTGCTGAAACAGCCAGACTACTC
AGACAAGCTGAAGCAGATGCTGGTGCCACATGGGCTCCTAGTCTCTGGTCTGTAGCCAATGGCTTCCCA
CCAGGAGGCCCTGGGGGCCCAAGGGTATGCAGCATTTC**CCCCCTGGTCTGGAGGGCCATGCCAGGTC**
CCCATGGAGGCCCTGGTGGACCAGTGGGTCCACGTCTCCTGGGTCCCCACCACCTTCTCGGGGAGGTGA
TCCATTCTGGGATGGCCAGGTGACCCATGCGAGGTGGCCCAATGCGTGGGGGTCCAGGACCTGGTCTCT
GGACCATACCACAGAGGCCGAGGGGGT**CGTGGAGGAAATGAACCGCCACCACCCCTCCATTCCGAGGAG**
CCAGAGGAGT**CGTTCTGGAGGAGGCCCCCAATGGCCGAGGGGTCTGGTGGAGTGGCATGGTTGG**
AGGTGGTGGGCACCGCCCATGAAGGCCCTGGAGGGAGCATGGCAGTGGACATCGGTCATGAGGGC
CCTGGAGGGAGCATGGGCAGTGGACATCGGTCTCATGAAGGCCCTGGACACGGGGGACCCCATGGCCACC
GGCCACATGACGTCCCTAGCCATCGAGGCCACGACCATCGAGGGCCACCCTCATGAACACCGGGTCA
TGATGGCCATGGGGGAGGCGCCACCAGGGCATGATGGAGGCCACAGTACGGAGGAGACATGTCAAAC
CGCCCTGTCTGCCGACACTT**CATGATGAAGGGCAACTGCCGCTATGAGAACA**ACTGTGCCTTCTACCACC
CAGGGGTCAACGGGCCCCACTGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_022951

Insert Size:	2619 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_022951.2</u> , <u>NP_075240.1</u>
RefSeq Size:	4170 bp
RefSeq ORF:	2619 bp
Locus ID:	65045
UniProt ID:	<u>O55000</u>
Cytogenetics:	20p12
Gene Summary:	functions as nuclear targeting subunit and potent modulator of phosphatase 1 (PP1), a key mediator nuclear processes [RGD, Feb 2006]