

Product datasheet for RN215588

PPP1R3C (NM_001012072) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r3c (NM_001012072) Rat Untagged Clone
Tag: Tag Free
Symbol: Ppp1r3c
Synonyms: PTG; R5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215588 representing NM_001012072
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTGCACCAGGATGATCCACGTGCTGGATCCACGACCTTTGACAAGTTCAGTCATGCCCGTGGACA
 TGGCCATGAGGATTTGCTTGGCACATTCACCACCCTGAAGAGTTTCTGGGTCCTTACAATGGTCTTCA
 GCGAAGACATTTTGTGAATAAACCGAAGCCCTTGAACCGTGTCTCAGCGTCAAGCAGGAAGCCAAATCA
 CAGAAGGAATGGAAGAGCCACACAGCCAAGCCAAGAAGCGGGTGTGTTTGTGACTCCAAGGGGCTCT
 CCCTCACTGCCATCCACGTCTTCTCAGACCTTCCAGAAGAACCCGCGTGGGACCTGCAGTTTGACCTCTT
 GGACCTTAACGACATCTCCTCCAGCTTAAACTTCACGAGGAGAAAAATCTGGTTTTCGATTTCCCCCAG
 CCTTCAAGCGACTACTTAAGTTTCCGGGACCGCTTCCAGAAGAACTTTGTCTGCCTCGAGAAGTGTCTT
 TGCAAGATCGGACAGTGACTGGGACGGTCAAAGTAAAGAACGTGAGCTTCGAGAAGAAGGTTTCAGGTCCG
 CATCACCTTTGACACCTGGAAAACCTACACCGACGTGGACTGTGTATACTGAAGAACGTTTACGGCAGC
 TCAGACAGTGACACCTTCTCCTTTGCCATCGACTTGCCTCCGCTCATTCCAAGTGGAGAGAAAATCGAGT
 TCTGCATTTCTACCATGCTAACGGGAGGGTCTTCTGGGACAACAACGAGGCTCAGAACTATAGAATTGT
 CCATGTACAGTGGAAACCCGACGGAGTGCAGACTCAGGTGGCACCCAAAGACTGTGCATTCCAACAGGTG
 CCCCTTAAGACTGAGTTAGAACCACGGTCTTTGGCAGTCCGAGGCTTGCTAGCGGCCTTCTCCAGAGT
 GGCAGAGCTGGGGGAGAGTGAGAACTTGGCCTCCTATCGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001012072
Insert Size: 954 bp



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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_001012072.1</u> , <u>NP_001012072.1</u>
RefSeq Size:	2783 bp
RefSeq ORF:	954 bp
Locus ID:	309513
UniProt ID:	<u>Q5U2R5</u>
Cytogenetics:	1q53
Gene Summary:	Acts as a glycogen-targeting subunit for PP1 and regulates its activity. Activates glycogen synthase, reduces glycogen phosphorylase activity and limits glycogen breakdown. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in a variety of cell types (By similarity).[UniProtKB/Swiss-Prot Function]