

Product datasheet for MR222411

PPP1R3G (NM_029628) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PPP1R3G (NM_029628) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: PPP1R3G
 Synonyms: 1600032L17Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR222411 representing NM_029628
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCCCTCGGGAGAACAGCTACACAGATCCGAGGCGTCCAGCTCTACGTCTTCCGGAGACCCTCAAT
 CCGCGGAGGAAGTGTGGTCCCGAGGTCTTTGCGTGGAGAGTGGCACCTCTGAGACCCCGATCCCTGA
 TGCTCAGCTCCAGGACCGGCCCTGTGCCGCAGAAAGGGGCAGCTCTCCGGAACAGGAGGAGCTACAG
 GAATATCGCCGCTCTCGTGCGCGCTCCTTCTTTGCCCGCAGACCCATCCTGCAGGCGGCCAAGCTCC
 TGCAGCAGAGGCAGCAGGCGGGACAGCCAGCTCAGAGGGTGGCGCGCCGCTGGGGACTGCTGCTCAA
 GTGTAAGAAGCGCGTGCAGTTCGCCGACTCCCTGGGACTGAGCCTGGCCAGCGTGAAGCACTTCAGCGAG
 GCCGAGGAGCCTCAGGTGCCCGCCGCGTACTTTCCCGTCTCCACAGCTTCCCGCTGCGCGCCGAGGACC
 TGCAGCAGCTCGGGGGGCTGCTGGCAGTGGCAACGATGCCTGATCCTCTCTTGGTACCCTGCGCCCGGCT
 CCGACCCCACTTCCAGCTCCCGGAGTGCAGCTGCGGAGGAGCGTCTGCGGCGACAGCGAGTGTGCCTG
 GAGCGTGTGAGTGTCCAGCCGCCCGCGCCGAGGTGACCGGCTCTGGCCGAGTATCAGTTGCCCGG
 GACCCAGGGCAGTGGCGGTGCGCTACACTTTCACGGAGTGGCGTACCTTCTGGAGCTGCCTGCTGAGCT
 GGACCCGGAGTCACTGGAGCCCCGCTCCATTGACGTGAGGGGACTCTGGATCAAAGGCTGAGGATAGT
 GAGGAGGGGCCCGCACCGAGCGTTTCCACTTTCGCTGTGCTGCCCGGGTCTGAGCCCAAGAAG
 GGGAGGATGCTGGCGCGTGGGGAGTGCCTATTCATTTTGCCGTCTGCTACCGCTGCGAACAGGGAGAATA
 CTGGGACAACAACGAGGGGGCAACTACACCTTGCCTATGTGTGCTCCACAGACCCGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222411 representing NM_029628
 Red=Cloning site Green=Tags(s)

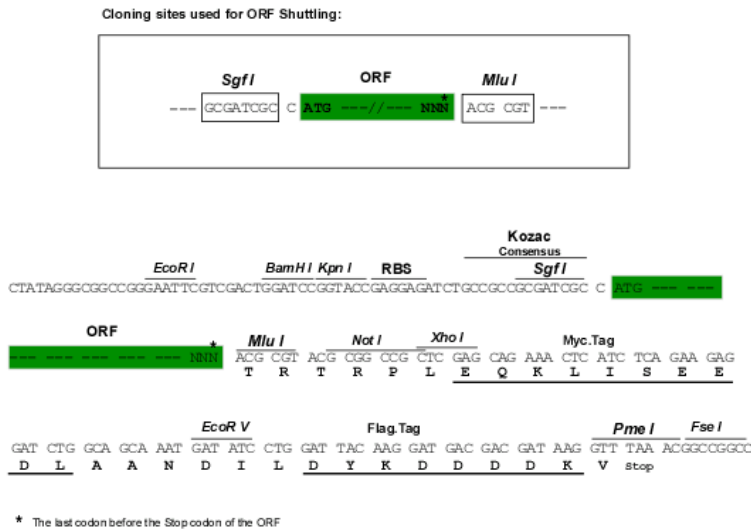
MDPSGEQLHRSEASSSTSSGDPQSAEELSVPEVLCVESGTSETPIPDAQLQDRPLSPQGAALPEQEELQ
 EYRRSRARFSLPADPILQAAKLLQQRQAGQPSSEGGAPAGDCCSKCKKRVQFADSLGLSLASVKHFSE
 AEPPQVPPAVLSRLHSFPLRAEDLQQLGLLAVATMPDPLLVPCARLRPHFQLPELRAAEERLRRQRVCL
 ERVQCSQPPRAEVTGSGRVI SCPGPRAVAVRYTFTEWRFTLDVPAELDPESVEPLPPLQSGDSGSKAEDS
 EEGPGTERFHFSLCLPPGLQPKEGEDAGAWGVAIHFAVCYRCEQGEYWDNNEGANYTLRYVCS TDPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9079_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029628

ORF Size: 1041 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_029628.1](#), [NP_083904.1](#)

RefSeq Size: 2320 bp

RefSeq ORF: 1044 bp

Locus ID: 76487

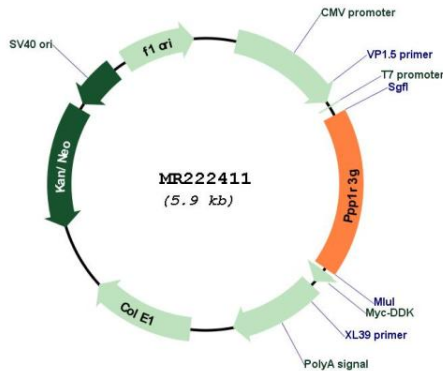
UniProt ID: [Q9CW07](#)

Cytogenetics: 13 A3.3

MW: 37.8 kDa

Gene Summary: Glycogen-targeting subunit for protein phosphatase 1 (PP1). Involved in the regulation of hepatic glycogenesis in a manner coupled to the fasting-feeding cycle and distinct from other glycogen-targeting subunits.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222411