

Product datasheet for **MC206253**

PPP1R1A (BC025123) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r1a (BC025123) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ppp1r1a
Synonyms: 0610038N18Rik; I-1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025123
 CGGGCTGGGGCCAGGGCCGGAGCGCAACAGAGAGGGAGCGCGCCCGCCAGCCGAGGTCCGCCGCTGC
 CGGACCGGGAGCCATGGAGCCCGACAACAGCCACGGAAGATCCAGTTTACGGTCCCGCTGCTGGAGCCT
 CACCTGGACCCGGAGCGCGGAGCAGATTTCGGAGGCGCGCCCGCCAGCCCTGCCACACTTGTGCTGACCA
 GTGATCAGTCTCCCGAGAAATAGATGAAGACCGGATCCCAACTCACTTCTCAAGTCCACCTTGTCAAT
 GTCTCCACGGCAACGGAAGAAGATGACAAGGACCACCCACCATGAAAGAGCTCCAGACGATGGTTGAA
 CATCACCTAGGGCAACAGAAGCAAGGGGAAGAACCTGAGGGAGCCACTGAGAGCACAGGGAACCAGGAGT
 CCTGCCACCTGGGATCCAGACACAGGCTCGGCGTCAAGGCCAGATACCCCGGGACAGCACAAAAAGTC
 TGCAGAATCCAACCCCAAGACTCAGGAGCAGTGTGGCGTGGAGCCAGAACAGAGGATTCTCAGCCAC
 ATGCTACCACTGGATTCCAGGGAGCCAGCTTGGTCTGACAGAAGTTGGTATCCGGGGATCACCCTGCA
 GTGTGGAATTCATGGACTGGATGTTTCTTAATCTCTTGTGTTTTAAAAAGTGATAAATTTGGTGTAG
 GTCTTGGAGCTTTTCTTTCCAGCCCGGGATCCCTTCTCTCTTCTCAGCTTGTCTGCACCCCACTG
 CCCCCACCTCAGGACCGATTAAGGAAGGAAATAGCAAAGTACAAAAGCCTAGCCTCCACTAGCAAAT
 AGAAAAATAGACGTCTGGAAGTAGGAGGTGCGCTCAAGTTTTCTTTGTTACTGTGGAAGCTCTGCC
 ACAGAGCAGGGTAGCCTACTTGTGCTCTAAAGCGGGTACCCAGACCAGTGAGGGTTTGCCAAAGCGCCA
 TCTGCTGGACATAAAGGGGAAGTGCATCTTGTCCCTAGCTCCCTGAGAAACCTCCAATTCTGTGGCCACT
 GTTCTTGTACAAACCTGACACAAAGACTGTGAGAAAACACTGTGGCTAGAAACCCAAAGGGCCACCTCT
 CCCATTGCTACATCCTAAGGTCAGAGCAAGACTAACACCATGCACAAATAGAGAAATGGTCTCTGATC
 CTAGCCAGGCTTCTGCTGCTGATTCTGATTTTCCCAAAGAATTAAGCGATGAAGGGAGAAGCCAAAAA AAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC025123
Insert Size: 516 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:	BC025123 , AAH25123
RefSeq Size:	1274 bp
RefSeq ORF:	516 bp
Locus ID:	58200
Cytogenetics:	15 F3
Gene Summary:	Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.[UniProtKB/Swiss-Prot Function]