

Product datasheet for MC227310

PPP2R2A (NM_001205188) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp2r2a (NM_001205188) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ppp2r2a
Synonyms: 2410004D02Rik; mKIAA1541
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227310 representing NM_001205188
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGGAGCTGGAGGAGGAATGATATTCAGTGGTGTTCCTCAGGTGAAAGGAGCAGTAGATGATG
 ACGTAGCAGAAGCAGATATAATTTCTACAGTAGAGTTAATCATTCTGGAGAATTACTAGCCACAGGAGA
 TAAAGGTGGGAGAGTTGTCATCTTCAACAAGAGCAGGAGAACAAAATCCAGTCTCATAGCAGAGGAGAA
 TACAATGTTTACAGCACCTTCCAGAGCCATGAGCCAGAATTTGACTACTTGAAAAGCTTAGAAAATAGAAG
 AGAAGATCAACAAAATTAGGTGGTTACCCAGAAAATGCTGCCAGTTTTTATTGTCTACCAACGATAA
 AACAAATAAATATGGAAAATCAGTGAAAGAGACAAAAGACCAGAAGGCTATAACTTGAAAGAGGAAGAT
 GGAAGATATAGAGATCCTACTACAGTCACTACGCTACGGGTGCCCGTATTTAGGCCCATGGATCTAATGG
 TGAAGCCAGTCCACGGAGAATATTTGCCAACGCCCACTTATCACATCAACTCAATTTCTATCAATAG
 TGATTATGAAACCTACTTATCAGCAGATGATTTGCGAATTAATCTCTGGCATCTGGAAATACAGACAGG
 AGTTTTAATATTGTGGATATCAAGCCTGCCAATATGGAAGAGCTCACGGAGGTGATCACGGCTGCAGAAT
 TTCACCCCAACAGCTGTAAACAGTTTGTGTACAGCAGCAGTAAAGGAAGTATTCGGTTATGTGACATGAG
 GGCATCTGCGCTCTGTGACAGGCATTCTAACTGTTTGAAGAACCTGAAGATCCCAGCAACAGGTCATTT
 TTTTCTGAAATCATCTCCTCTATTTCTGATGTAATAATTCAGCCATAGCGGTCGTTATATGATGACTAGAG
 ACTATTTGTGAGTCAAAATTTGGGACTTGAATATGGAGAACAGGCCCGTGGAGACATACCAGGTACATGA
 ATACCTCAGAAGTAACTTTGCTCACTGTATGAAAACGACTGCATATTTGACAAAATTTGAATGTTGTTGG
 AATGGGTCTGACAGGCACAGTAGACTGGAATTCGCTCGGAAGTAACGTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001205188



Insert Size:	1104 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001205188.1, NP_001192117.1</u>
RefSeq Size:	2663 bp
RefSeq ORF:	1104 bp
Locus ID:	71978
UniProt ID:	<u>Q6P1F6</u>
Cytogenetics:	14 D1
Gene Summary:	<p>The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>