

Product datasheet for MC210039

Acpp (NM_019807) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acpp (NM_019807) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acpp
Synonyms: 5'-NT; A030005E02Rik; FRAP; Lap; PAP; Ppal
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210039 representing NM_019807
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGAGCCGTTCTCTGCCCTGAGCCGACAGCAAGCCTCAGCCTTGGCTTCTTGCTCCTGCTTTCTC
 TCTGCCTGGACCCAGGCCAAGCAAGGAGTTGAAGTTTGTGACATTGGTGTTCGGCATGGAGACCGAGG
 TCCCATCGAGACCTTCTACCGACCCATTACAGAATCCTCGTGGCCACAAGGATTTGGCCAATCACC
 CAGTGGGGCATGGAACAGCACTACGAATTTGGAAGTTATATAAGGAAAAGATACGGAAGATTCTTGAACG
 ACACCTATAAGCATGATCAGATTTATATCCGGAGCACAGATGTGGACAGGACTTTGATGAGTGCTATGAC
 AAACCTTGCAGCCCTGTTTCTCCAGAGGGGATCAGCATCTGGAATCCTAGACTGCTCTGGCAGCCCATC
 CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTGTACCTGCCTTTCAGAGACTGCCCTCGTTTTG
 AAGAACTCAAGAGTGAGACTTTAGAATCTGAGGAATCTTGAAGAGGCTTCATCCATATAAAGCTTCTC
 GGACACCTTGTGTCGCTGTGCGGATTCGATGACCAGGATCTTTTGAATCTGGAGTAAAGTTTATGAC
 CCTTTATTCTGCGAGAGTGTTCAAAATTCACCTTGCCTCCTGGGCCACCGAGGACGCCATGATTAAGT
 TGAAGAGCTATCAGAATTATCTCTGCTATCATTATGGAATTCACAAGCAGAAAGAGAAATCTCGACT
 CCAAGGGGGCTCCTGGTCAATGAAATCCTCAAGAATATGAAGCTTGCAACTCAGCCACAGAAATATAAA
 AAGCTGGTCATGTATTCCGCACACGACACTACCGTGAAGTGGCCTGCAGATGGCGTAGATGTTTATAATG
 GAGTTCTGCCTCCCTACGCTTCTTGCCACATGATGGAATTGTACCATGATAAGGGGGGCACTTTGTGGA
 GATGTACTATCGGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCAGGCTGCACCCACAGCTGC
 CCTCTGGAGAAGTTTGGGAGCTACTGGACCCGGTATCTCCAGGACTGGGCCACGGAGTGTATGGCCA
 CAAGCAGCCACCAAGGACGGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_019807
Insert Size:	1146 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_019807.2</u> , <u>NP_062781.2</u>
RefSeq Size:	2667 bp
RefSeq ORF:	1146 bp
Locus ID:	56318
UniProt ID:	<u>Q8CE08</u>
Cytogenetics:	9 F1
Gene Summary:	<p>A non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate 3' terminal exon compared to variant 1. The encoded isoform (2, also known as PAP) is shorter and has a distinct C-terminus compared to isoform 1. This isoform is a secreted protein.</p>