OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC210038

Acpp (NM_207668) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acpp (NM_207668) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acpp
Synonyms:	5'-NT; A030005E02Rik; FRAP; Lap; PAP; Ppal
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC210038 representing NM_207668
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGAGCCGTTCCTCTGCCCCTGAGCCGGACAGCAAGCCTCAGCCTTGGCTTCTTGCTCCTGCTTTCTC
TCTGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTTTCGGCATGGAGACCGAGG
TCCCATCGAGACCTTTCCTACCGACCCCATTACAGAATCCTCGTGGCCACAAGGATTTGGCCAACTCACC
CAGTGGGGCATGGAACAGCACTACGAACTTGGAAGTTATATAAGGAAAAGATACGGAAGATTCTTGAACG
ACACCTATAAGCATGATCAGATTTATATCCGGAGCACAGATGTGGACAGGACTTTGATGAGTGCTATGAC
AAACCTTGCAGCCCTGTTTCCTCCAGAGGGGATCAGCATCTGGAATCCTAGACTGCTCTGGCAGCCCATC
CCAGTGCACACCGTGTCTCTCTCTGAGGATCGGTTGCTGTACCTGCCTTTCAGAGACTGCCCTCGTTTTG
AAGAACTCAAGAGTGAGACTTTAGAATCTGAGGAATTCTTGAAGAGGCTTCATCCATATAAAAGCTTCCT
GGACACCTTGTCGTCGCTGTCGGGATTCGATGACCAGGATCTTTTTGGAATCTGGAGTAAAGTTTATGAC
CCTTTATTCTGCGAGAGTGTTCACAATTTCACCTTGCCCTCCTGGGCCACCGAGGACGCCATGATTAAGT
TGAAAGAGCTATCAGAATTATCTCTGCTATCACTTTATGGAATTCACAAGCAGAAAGAGAAATCTCGACT
CCAAGGGGGCGTCCTGGTCAATGAAATCCTCAAGAATATGAAGCTTGCAACTCAGCCACAGAAGTATAAA
AAGCTGGTCATGTATTCCGCACACGACACTACCGTGAGTGGCCTGCAGATGGCGCTAGATGTTTATAATG
GAGTTCTGCCTCCCTACGCTTCTTGCCACATGATGGAATTGTACCATGATAAGGGGGGGCACTTTGTGGA
GATGTACTATCGGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCAGGCTGCACCCACAGCTGC
CCTCTGGAGAAGTTTGCGGAGCTACTGGACCCGGTGATCTCCCAGGACTGGGCCACGGAGTGTATGGCCA
CAAGCAGCCACCAAGTGCTGAGGGTTATCCTTGCCACTACATTTTGCCTGGTAACCGGGATCCTGGTGAT
ACTTCTGCTTGTCCTCATCCGCCATGGGCCCTGCTGGCAGAGAGATGTGTATCGGAACATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_207668
Insert Size:	1254 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_207668.2, NP_997551.1
RefSeq Size:	4488 bp
RefSeq ORF:	1254 bp
Locus ID:	56318
UniProt ID:	Q8CE08
Cytogenetics:	9 F1
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1, also known as TM-PAP). This isoform is a transmembrane protein.