

Product datasheet for MR227596

Acpp (NM_207668) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acpp (NM_207668) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>MR227596 representing NM_207668 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGAGCCGTTCTCTGCCCTGAGCCGGACAGCAAGCCTCAGCCTTGGCTTCTTGCTCCTGCTTTCTC
TCTGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTTCGGCATGGAGACCGAGG
TCCCATCGAGACCTTTCTACCGACCCATTACAGAATCCTCGTGGCCACAAGGATTTGGCCAACTCACC
CAGTGGGGCATGGAACAGCACTACGAATTGGAAGTTATATAAGGAAAAGATACGGAAGATTCTTGAACG
ACACCTATAAGCATGATCAGATTTATATCCGGAGCACAGATGTGGACAGGACTTTGATGAGTGCTATGAC
AAACCTTGCAGCCCTGTTTCTCCAGAGGGGATCAGCATCTGGAATCCTAGACTGCTCTGGCAGCCCATC
CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTGTACCTGCCTTTCAGAGACTGCCTCGTTTTG
AAGAACTAAGAGTGAGACTTTAGAATCTGAGGAATCTTGAAGAGGCTTCATCCATATAAAAGCTTCTC
GGACACCTTGTGCTCGTGTGCGGATTCGATGACCAGGATCTTTTTGGAATCTGGAGTAAAGTTTATGAC
CCTTTATCTGCGAGAGTGTTCACAATTCACCTTGCCTCCTGGGCCACCGAGGACGCCATGATTAAGT
TGAAAGAGCTATCAGAATTATCTCTGCTATCACCTTATGGAATCACAAGCAGAAAGAGAAATCTCGACT
CCAAGGGGGCGTCTGGTCAATGAAATCCTCAAGAATATGAAGCTTGAAGTCAAGTCAAGTAAAGTATAAA
AAGCTGGTCATGTATTCGACACGACACTACCGTGAGTGGCCTGCAGATGGCGTAGATGTTTATAATG
GAGTTCTGCCTCCCTACGCTTCTTGCACATGATGGAATTGTACCATGATAAGGGGGGGCACTTTGTGGA
GATGTAATATCGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCAGGCTGCACCCACAGCTGC
CCTCTGGAGAAGTTTGGCGAGCTACTGGACCCGGTATCTCCAGGACTGGGCCACGGAGTGTATGGCCA
CAAGCAGCCACCAAGTGTGAGGGTTATCCTTGCCACTACATTTTGCCTGGTAACCGGGATCCTGGTGT
ACTTCTGCTTGTCTCATCCGCATGGGCCCTGCTGGCAGAGAGATGTGTATCGGAACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA



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Protein Sequence: >MR227596 representing NM_207668
 Red=Cloning site Green=Tags(s)

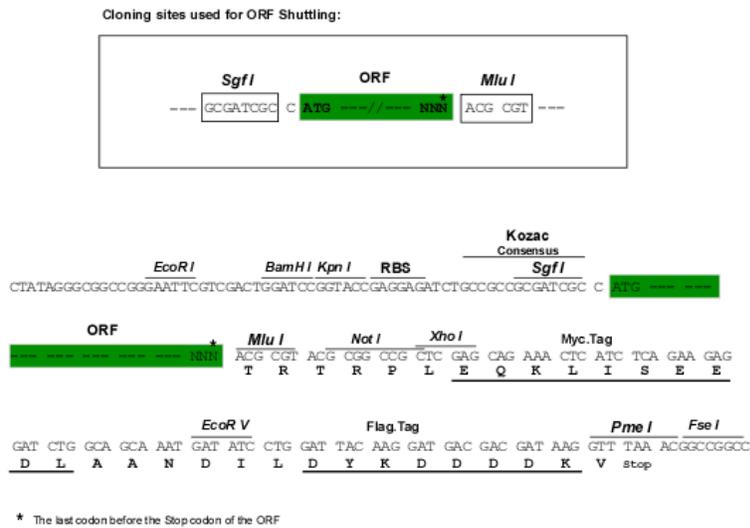
MRAVPLPLSRTASLSLGFLLLLSLCLDPGQAKELKFVTLVFRHGDRGPIETFPDTPITESSWPQGFGLT
 QWGMEQHYELGSYIRKRYGRFLNDTYKHDQIYIRSTDVRTLMSAMTNLAALFPPEGISIWNPRLWQPI
 PVHTVLSLSEDRLLYLPRDCRPFEEKSETLESEEFKRLHPYKSFLDLTLSSLSGFDDQDLFGIWSKVYD
 PLFCESVHNFTLPSWATEDAMIKLKESEL SLLSLYGIHKQKEKSR LQGGVLVNEILKNMKLATQPQKYK
 KLYMYSADHTTVSGLQMALDVYNGVLPYASCHMMELYHDKGGHFVEMYRNETQNEPYPLTLPGCTHSC
 PLEKFAELLDPVISQDWATECMATSSHQVLRVILATTFCLVTGILVILLVLRHGPCWQRDVYRNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207668

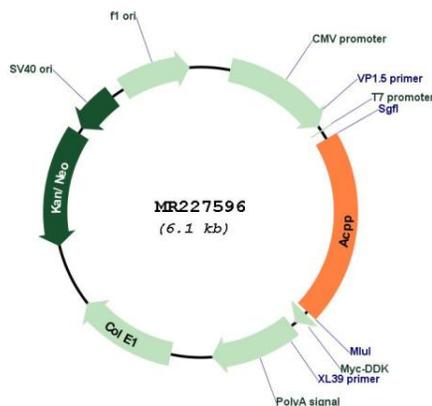
ORF Size: 1251 bp

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](#)

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:	<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_207668.2</u> , <u>NP_997551.1</u>
RefSeq Size:	4488 bp
RefSeq ORF:	1254 bp
Locus ID:	56318
UniProt ID:	<u>Q8CE08</u>
Cytogenetics:	9 F1
MW:	48.3 kDa
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]

Product images:



Circular map for MR227596