

Product datasheet for **RR200349**

Acpp (NM_020072) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acpp (NM_020072) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Acpp
Synonyms: 5'-NT; Acpp11; FRAP; pap; Ppal; RNACPP11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200349 representing NM_020072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGCTGTCCCTCTGCACCTCGTCGGGACAGCAAGCCTCACCTTGGCTTCTTGCTCCTGCTATCTC
 TCCGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTCCGGCATGGAGACCGAGG
 TCCCATCGAGACCTTTCTAATGACCCCATTAAGGAATCCTCGTGCCACAAGGATTTGGCCAACTCACC
 AAGTGGGGCATGGGACAGCACTACGAACTCGGAAGTTATATAAGGAGAAGATACGGGAGATTCTTGAACA
 ACTCCTATAAAACATGACCAGGTTTATATCCGAAGCACAGATGTTGACAGGACTCTGATGAGCGCTATGAC
 AAACCTCGCAGCCCTGTTTCCCCCTGAGGGGATCAGCATCTGGAATCCCAGACTGCTCTGGCAGCCCATC
 CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTATACCTGCCTTTCAGGGACTGTCTCGCTTTC
 AAGAACTCAAGAGTGAGACTTTAAAATCTGAGGAGTTCCTGAAGAGGCTTCAACCATATAAAAGCTTCAT
 AGACACCTTGCCATCGCTGTCCGGATTCGAGGACCAGGATCTTTTTGAAATCTGGAGTAGGCTTACGAC
 CCTTTATATTGCGAGAGTGTTCACAATTCACCTCCGCACCTGGGCCACAGAGGACGCCATGACTAAGT
 TGAAGGAGTTGTCAGAATTATCTCTGTTATCTCTTTATGGAATTCACAAGCAGAAAAGAAAATCTAGACT
 CCAGGGGGCGTCTGGTCAATGAAATCTCAAGAACATGAAGCTTGAACCTCAACCACAGAAGGCCAGG
 AAGTTGATCATGTATTCTGCATATGACACTACTGTGAGTGGCCTGCAGATGGCGCTAGAGCTTTATAATG
 GACTTCTACCTCCCTACGCTTCTGCCACATAATGGAATTGTACCAGGATAATGGGGGACCTTCGTGGA
 GATGTACTACCGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCGGGCTGTACCCACAGCTGC
 CCTCTGGAGAAGTTTGCAGAGCTACTGGACCCCGTATCCCCAGGACTGGGCCACAGAGTGTATGGCA
 CAAGCAACCACCAAGCGTCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200349 representing NM_020072
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MRAVPLHLVGTASLTGFLLLLSRLDPGQAKELKFVTLVFRHGDRGPIETFPNDPIKESWPQGFGLT
 KWGMGQHYELGSYIRRRYGRFLNNSYKHDQVYIRSTDVRTLMSAMTNLAALFPPEGISIWNPRLWQPI
 PVHTVLSLSEDRLLYLPRDCPRFQELKSETLKSEEFKRLQPKSFIDTLPSSGFEDQDLFEIWSRLYD
 PLYCESVHNFTFRTWATEDAMTKLSELSELLSLYGIHKQKEKSRLQGGVLVNEILKNMKLATQPQKAR
 KLIIMYSAYDTTVSGLQMALELYNGLLPPYASCHIMELYQDNGGTFVEMYRNETQNEPYPLTLPGCTHSC
 PLEKFAELLDPVIPQDWATECMGTSNHQASL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

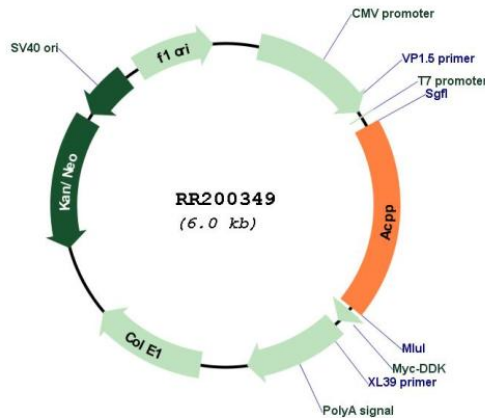
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_020072

ORF Size:	1143 bp
OTI Disclaimer:	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:	NM_020072.1 , NP_064457.1
RefSeq Size:	1603 bp
RefSeq ORF:	1146 bp
Locus ID:	56780
UniProt ID:	P20646
Cytogenetics:	8q32
MW:	43.9 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]