

Product datasheet for **RR200348**

Acpp (NM_001134901) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acpp (NM_001134901) 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: >RR200348 representing NM_001134901
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAGCTGTCCCTCTGCACCTCGTCGGGACAGCAAGCCTCACCTTGGCTTCTTGCTCCTGCTATCTC
 TCCGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTCCGGCATGGAGACCGAGG
 TCCCATCGAGACCTTTCTAATGACCCCATTAAGGAATCCTCGTGGCCACAAGGATTTGGCCAACCTACC
 AAGTGGGGCATGGGACAGCACTACGAACCTCGGAAGTTATATAAGGAGAAGATACGGGAGATTCTTGAACA
 ACTCCTATAAACATGACCAGTTTATATCCGAAGCACAGATGTTGACAGGACTCTGATGAGCGCTATGAC
 AAACCTCGCAGCCCTGTTTCCCCCTGAGGGGATCAGCATCTGGAATCCCAGACTGCTCTGGCAGCCCATC
 CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTATACCTGCCTTTCAGGGACTGTCTCGCTTTC
 AAGAACTCAAGAGTGAGACTTTGAAATCTGAGGAGTTCCTGAAGAGGCTTCAACCATATAAAAGCTTCAT
 AGACACCTTGCCATCGCTGTCCGGATTCGAGGACCAGGATCTTTTGAATCTGGAGTAGGCTTACGAC
 CCTTTATATTGCGAGAGTGTTCACAATTCACCTTGCCACCTGGGCCACAGAGGACGCCATGACTAAGT
 TGAAGGAGTTGTCAGAATTATCTCTGTTATCTCTTTATGGAATTCACAAGCAGAAAGAGAAATCTAGACT
 CCAGGGGGCGTCTGGTCAATGAAATCTCAAGAACATGAAGCTTGAACCTCAACCACAGAAGGCCAGG
 AAGTTGATCATGTATTCTGCACATGACACTACTGTGAGTGGCCTGCAGATGGCGCTAGACGTTTATAATG
 GACTTCTACCTCCCTACGCTTCTGCCACATAATGGAATTGTACCAGGATAATGGGGGCACTTCGTGGA
 GATGTACTACCGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCGGGCTGTACCCACAGCTGC
 CCTCTGGAGAAGTTTGCAGAGCTACTGGACCCCGTATCCCCAGGACTGGGCCACAGAGTGTATGGGCA
 CAAGCAACCACCAAGTGTGAGGGTCATCTTGCCACTACGTTTTGCCTGGTAACCGGGATCCTGGTGAT
 ATTGCTGCTTGTCTCATCCGCCACGGACCCTGCTGGCAGAGAGAGCTGTATCGGAACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200348 representing NM_001134901
 Red=Cloning site Green=Tags(s)

MRAVPLHLVGTASLTGLFLLLLSLRLDPGQAKELKFVTLVFRHGDRGPIETFPNDPIKESWPQGFGLT
 KWGMGQHYELGSYIRRRYGRFLNNSYKHDQVYIRSTDVRTLMSAMTNLAALFPPEGISIWNPRLWQPI
 PVHTVSLSEDRLLYLPRDCPRFQELKSETLKSEEFKRLQPKSFIDTLPSSGFEDQDLFEIWSRLYD
 PLYCESVHNFTLPTWATEDAMTKLSELSELLSLYGIHKQKEKSRQQGVLVNEILKNMKLATQPQKAR
 KLIMYSAHDTTVSGLQMALDVYNGLLPPYASCHIMELYQDNGGHFVEMYRNETQNEPYPLTLPCTHSC
 PLEKFAELLDVIPQDWATECMGTSNHQVLRVILATTFCLVTGILVILLVLRHGPCWQRDVYRNI

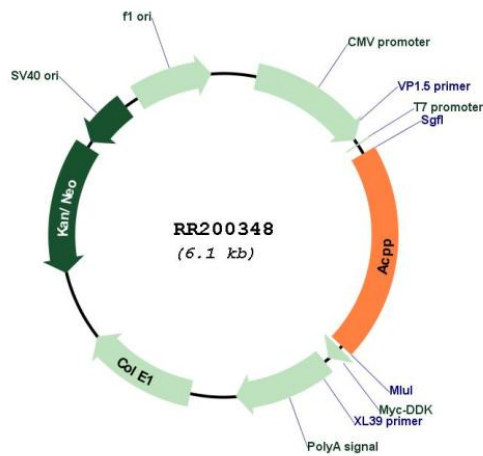
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134901

ORF Size:	1251 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_001134901.1 , NP_001128373.1
RefSeq Size:	1254 bp
RefSeq ORF:	1254 bp
Locus ID:	56780
UniProt ID:	P20646
Cytogenetics:	8q32
MW:	47.9 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]