

Product datasheet for RN200349

Acpp (NM_020072) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acpp (NM_020072) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acpp
Synonyms:	5'-NT; Acpp11; FRAP; pap; Ppal; RNACPP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200349 representing NM_020072 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCTGTCCCTCTGCACCTCGTCGGGACAGCAAGCCTCACCCCTGGCTTCTTGCTCCTGCTATCTC
TCCGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTTCGGCATGGAGACCGAGG
TCCCATCGAGACCTTTCCTAATGACCCCATTAAGGAATCCTCGTGGCCACAAGGATTTGGCCAACTCACC
AAGTGGGGCATGGGACAGCACTACGAACCTCGGAAGTTATATAAGGAGAAGATACGGGAGATTCTTGAACA
ACTCCTATAAACATGACCAGTTTATATCCGAAGCACAGATGTTGACAGGACTCTGATGAGCGCTATGAC
AAACCTCGCAGCCCTGTTTCCCCCTGAGGGGATCAGCATCTGGAATCCCAGACTGCTCTGGCAGCCCATC
CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTATACCTGCCTTTCAGGGACTGTCTCGCTTTC
AAGAACTCAAGAGTGAGACTTTAAAATCTGAGGAGTTCCTGAAGAGGCTTCAACCATATAAAAGCTTCAT
AGACACCTTGCCATCGCTGTCCGGATTCCGAGGACCAGGATCTTTTTGAAATCTGGAGTAGGCTTACGAC
CCTTTATATTGCGAGAGTGTTCACAATTCACCTCCGCACCTGGGCCACAGAGGACGCCATGACTAAGT
TGAAGGAGTTGTCAGAATTATCTCTGTTATCTCTTTATGGAATTCACAAGCAGAAAGAGAAATCTAGACT
CCAGGGGGCGTCTGGTCAATGAAATTCGAAGAATGAAGCTTCAACTCAACCACAGAAGGCCAGG
AAGTTGATCATGTATTCTGCATATGCACTACTGTGAGTGGCTGCAGATGGCGTAGAGCTTTATAATG
GACTTCTACCTCCCTACGCTTCCCTGCCACATAATGGAATTGTACCAGGATAATGGGGGACCTTCGTGGA
GATGTACTACCGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCGGGTGTACCCACAGCTGC
CCTCTGGAGAAGTTGACAGGCTACTGGACCCCGTATCCCCAGGACTGGGCCACAGAGTGATGGGCA
CAAGCAACCACCAAGCGTCGCT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_020072
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:	NM_020072.1 , NP_064457.1
RefSeq Size:	1603 bp
RefSeq ORF:	1146 bp
Locus ID:	56780
UniProt ID:	P20646
Cytogenetics:	8q32
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 (PAP, also called variant 2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform has a shorter and distinct C-terminus compared to the longer isoform. This isoform is a secreted protein.</p>