

Product datasheet for **RN217172**

Aplp2 (NM_022520) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aplp2 (NM_022520) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aplp2
Synonyms:	APLP-2; Apph; WALPLP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217172 representing NM_022520
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCCACCGGGACCGCGGCCGCTGCGGCCACCGGCAAGCTTCTTGTCTGTCTGCTGCTCGGGCTCA
 CGGCACCCGACGCGGCTCTGGCTGGCTATATCGAGGCTCTCGCAGCCAATGCTGGAACAGGCTTTGCGGT
 TGCTGAACCTCAGATTGCCATGTTCTGTGGGAAGCTGAACATGCATGTGAACATTCAGACTGGGAAGTGG
 GAGCTGACCCAACCGGCACCAAGAGCTGCCTGGGAACAAAGGAGGAAGTTCTTCAGTACTGCCAGGAGA
 TATATCCAGAGCTGCAGATCACAAATGTGATGGAAGCAAACCAGCCAGTCAATATTGATAGTTGGTGCCG
 AAGGGACAAAAACAGTGCAGGAGTACATTGTTATACCATTCAAGTGTCTTGTGGGTGAATTTGTAAGT
 GATGTTCTGCTAGTTCAGAAAAGTCCAGTTCCTCCACCAAGAGCGGATGGAGGTGTGTGAGAAGCATC
 AGCGGTGGCACACAGTCGTCAAGGAGGCATGTCTGACTGAGGGGATGACCTTATATAGCTATGGCATGCT
 GCTGCCCTGTGGGTAGACCAGTTCATGGCACTGAGTATGTGTGCTGCCCTCAGACAAAGTTGTTGAC
 TCTGACTCCACTATGTCCAAAGAAGAGGAGGAAGAAGAGGAAGAGGATGAAGAAGAAGACTATGCTCTTG
 ATAAAAGTGAATTTCTACCGAAGCAGATCTGGAAGACTTCACAGAAGCAGCTGCAGATGAGGACGAGGA
 TGAGG
 AAAGGAGATGATTACAATGAGGAGAACCAACTGAACCCAGCAGCGATGGCACCATCTCAGACAAGGAGA
 TTGCTCACGATGTTAAAGCTGTCTGCTCCAGGAGGCCATGACGGGGCCCTGCCGGGCCGTGATGCCTCG
 TTGGTACTTCGACCTCTCCAAGGAAAGTGCCTACGCTTATATATGGCGGCTGCGCGGCAACAGGAAC
 AATTTTGAGTCTGAGGATTATTGTATGGCTGTGTGTAACACGATGATCCCCGACTCCCCTGCCAACCA
 ATGATGTGGACGTGATTTTGGAGCTCGGCTGATGACAATGAGCACGCCCGCTTTCAGAAGGCTAAGGA
 GCAGTTGGAAATTCGGCATCGCAGCCGAATGGACAGGGTAAAAAAGGAGTGGGAAGAAGCAGAACTTCAA
 GCCAAGAACCTCCCAAGGCAGAGCGACAGACCCTCATTAGCATTTCGAAGCTATGTTAAAGCCTTAG
 AGAAGGAAGCAGCCAGTGAAGCAGCAGCTTGTGGAGACCCATTTGGCCGAGTGAAGCAATGCTGAA
 TGACCGTGGCGCATAGCTCTGGAAAACCTGGCTGCCCTGCAGTCTGACCCTCCTCGGCCACATCGC
 ATTCTTCAAGCTTTCGTCGTTACGTCCGTGCTGAGAACAAGATCGCCTGCACACCATTTCGTCATTACC
 AACATGTGTTGGCTGTTGACCCAGAAAAGGCTGCGCAGATGAAATCCCAGGTGATGACACACCTCCATGT
 CATTGAAGAAAGAAGGAACCAAGTCTCTCTGCTGTACAAAGTGCCTTATGTGGCTCAAGAGATTCAG
 GAGGAAATGATGAGCTCCTCAGGAACAGCGAGCAGATATGGACCAGTTTACCTCCTCCATCTCAGAGA
 ACCCTGTGGATGTCCGGGTGAGCTCTGAGGAAAGTGAAGGAGATCCCGCCGTTCCACCCTTCCATCCCTT
 CCCATCCTTGTCTGAGAACGAAGGATCTGGAATGGCAGAGCAAGATGGGGCCTGATTGGTGCAAGAA
 AAGGTGATCAACAGTAAGAATAAAATGGATGAAAATATGGTCATTGACGAGACTCTGGATGTTAAGGAAA
 TGATTTTCAATGCTGAGAGAGTTGGGGTCTGGAGGAAGACCGGACTCTGTGGGGCCTCTACGGGAGGA
 CTTCAAGTTGAGCAGCAGTGCCTTATTGGCTTGTGTCATCGCGGTGGCCATTGCTACAGTCAATCGTC
 ATCAGCCTGGTGTGCTGAGGAAGAGGCAATACGGCACCATCAGCCATGGCATTGTGGAGGTTGATCCAA
 TGCTCACCCAGAAAGAGCGTCACTTGAACAAGATGCAGAACACCGGCTATGAAAACCAACCTACAATA
 CCTGGAGCAGATGCAGATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022520
Insert Size: 2262 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_022520.1, NP_071965.1</u>
RefSeq Size:	3608 bp
RefSeq ORF:	2262 bp
Locus ID:	64312
Cytogenetics:	8q13
Gene Summary:	may contribute to membrane cytoplasmic junctions in sperm membranes [RGD, Feb 2006] Transcript Variant: This variant (2) lacks an in-frame coding exon and encodes a shorter isoform (2), compared to variant 1.