

## Product datasheet for **RN217188**

### **Aplp2 (NM\_012906) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aplp2 (NM_012906) 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:** >RN217188 representing NM\_012906  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCCACCGGGACCGCGGCCGCTGCGGCCACCGGCAAGCTTCTTGTCTGTCTGCTGCTCGGGCTCA  
 CGGCACCCGACGCGGCTCTGGCTGGCTATATCGAGGCTCTCGCAGCCAATGCTGGAACAGGCTTTGCGGT  
 TGCTGAACCTCAGATTGCCATGTCTGTGGGAAGCTGAACATGCATGTGAACATTCAGACTGGGAAGTGG  
 GAGCCTGACCCAACCGGCACCAAGAGCTGCCTGGGAACAAAGGAGGAAGTTCTTCAGTACTGCCAGGAGA  
 TATATCCAGAGCTGCAGATCACAAATGTGATGGAAGCAAACCAGCCAGTCAATATTGATAGTTGGTGCCG  
 AAGGGACAAAAACAGTGCAGGAGTACATTGTTATACCATCAAGTGTCTTGTGGGTGAATTTGAAGT  
 GATGTTCTGCTAGTTCCAGAAAAGTCCAGTTCATCCACCAAGAGCGGATGGAGGTGTGTGAGAAGCATC  
 AGCGGTGGCACACAGTCGTCAAGGAGGCATGTCTGACTGAGGGGATGACCTTATATAGCTATGGCATGCT  
 GCTGCCCTGTGGGTAGACCAGTTCATGGCACTGAGTATGTGTGCTGCCCTCAGACAAAGTTGTTGAC  
 TCTGACTCCACTATGTCCAAAGAAGAGGAGGAAGAAGAGGAAGAGGATGAAGAAGAAGACTATGCTCTTG  
 ATAAAAGTGAATTTCTACCGAAGCAGATCTGGAAGACTTCACAGAAGCAGCTGCAGATGAGGACGAGGA  
 TGAGGAGGAGGAGGAGGAGGAGGAGGAGGAAAGGGGAGGAAGTGGTAGAAGACCGTGATTACTACTATGACTCCTTT  
 AAAGGAGATGATTACAATGAGGAGAACCAACTGAACCCAGCAGCGATGGCACCATCTCAGACAAGGAGA  
 TTGCTCACGATGTTAAAGCTGTCTGCTCCAGGAGGCCATGACGGGGCCCTGCCGGGCCGTGATGCCTCG  
 TTGGTACTTCGACCTCTCCAAGGAAAGTGCCTACGCTTATATATGGCGGCTGCGGCGGCAACAGGAAC  
 AATTTTGAGTCTGAGGATTATTGTATGGCTGTGTGTAACAGTATGTTCCCGACTCCCCTGCCAACCA  
 ATGATGTGGACGTGATTTTGGAGCTCGGCTGATGACAATGAGCAGCCCGCTTTCAGAAGGCTAAGGA  
 GCAGTTGGAAATTCGGCATCGCAGCCGAATGGACAGGGTAAAAAAGGAGTGGGAAGAAGCAGAACTTCAA  
 GCCAAGAACCTCCCAAGGCAGAGCGACAGACCCTCATTACGATTTCCAAGCTATGGTTAAAGCCTTAG  
 AGAAGGAAGCAGCCAGTGAAGCAGCAGCTTGTGGAGACCCATTTGGCCGAGTGAAGCAATGCTGAA  
 TGACCGTCCGCGCATAGCTCTGGAAAACCTACCTGGCTGCCCTGCAGTCTGACCCTCCTCGGCCACATCGC  
 ATTCTTCAAGCTCTTCGTCGTTACGTCCGTGCTGAGAACAAGATCGCCTGCACACCATTCTGCTATTACC  
 AACATGTGTTGGCTGTTGACCCAGAAAAGGCTGCGCAGATGAAATCCCAGGTGATGACACACCTCCATGT  
 CATTGAAGAAAAGGAACCAAAAGTCTCTCTGCTGTACAAAGTGCCTTATGTGGCTCAAGAGATTCAG  
 GAGGAAATTTGATGAGCTCCTCAGGAACAGCAGCAGATATGGACCAGTTTACCTCCTCCATCTCAGAGA  
 ACCCTGTGGATGTCCGGGTGAGCTCTGAGGAAAAGTGAAGGATCCCGCCGTTCCACCTTTCCATCCCTT  
 CCCATCCTTGTCTGAGAACGAAGACTCAGCCGAGTTGTACCACCAATGAAAAAAGGATCTGGAATG  
 GCAGAGCAAGATGGGGCCTGATTGGTGCAGAAGAAAAGGTGATCAACAGTAAGAATAAAATGGATGAAA  
 ATATGGTCATTGACGAGACTCTGGATGTTAAGGAAATGATTTTCAATGCTGAGAGAGTTGGGGTCTGGA  
 GGAAGAGCCGACTCTGTGGGCCTCTACGGGAGGACTCAGTTTGAGCAGCAGTGCCTTATTGGCTTG  
 CTGGTCATCGCGGTGGCCATTGCTACAGTCATCGTCATCAGCCTGGTGTGCTGAGGAAGAGGCAATACG  
 GCACCATCAGCCATGGCATTGTGGAGGTTGATCCAATGCTCAGCCAGAGAGCGTCACTTGAACAAGAT  
 GCAGAACCACGGCTATGAAAACCAACCTACAAATACCTGGAGCAGATGCAGATT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012906  
**Insert Size:** 2298 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_012906.1, NP_037038.1</u>
<b>RefSeq Size:</b>	3644 bp
<b>RefSeq ORF:</b>	2298 bp
<b>Locus ID:</b>	64312
<b>Cytogenetics:</b>	8q13
<b>Gene Summary:</b>	may contribute to membrane cytoplasmic junctions in sperm membranes [RGD, Feb 2006] Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (1).