

## Product datasheet for **RN212132**

### Appbp2 (NM\_001100969) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Appbp2 (NM_001100969) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Appbp2
Synonyms:	PAT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212132 representing NM\_001100969  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCCGTGGAGCTCGAGTGGATCCCGGAGACGCTCTACAACACCGCCATCTCCGCTGTCGTGGACA  
 ACTACATCCGCTCGCGCCGCGACATCCGCTCCTTGCCGGAGAATATCCAGTTCGACGTTTTACTACAAGCT  
 TTACCAACAGGGACGCTTATGTCAACTGGCAGTGAATTCGTGAATTGGAAGTTTTTGCTAAAAGTTTTG  
 AGAGCTTTGGATAAAAAGACATTTGCTCCACCAGTGTTCAGGCCCTGATGGACCATGGTGTAAAGTTG  
 CTTCTGTCTTGGCCTACTCCTTCAGTAGACGGTCTTACATAGCAGAGTCAGACGCTGCTGTCAAGGA  
 GAAGGCCATCCAGGTTGGCTTTGTCTTAGGTGGCTTTCTTTCTGACGCAGGCTGGTACAGCGATGCTGAG  
 AAGTTTTCTGTCTGCCTTCAGTTGTGTACCCTACATGATGAGATGCTCCACTGGTTTCGAGCAGTAG  
 AGTGTGTGTGAGTTGCTTCATGTGCGAAATGGAAATGTAAAATCACCTAGGTGAAGAGACATTTAA  
 ATTAGCTCAGACGTACATGGACAAGCTGTCTAAACATGGCCAGCAAGCAAATAGAGCTGCTCTATGGA  
 GAACTATGTGCGCTCCTGTTTGCAAAAAGCCACTATGATGAGGCATACAAGTGGTGCCTGAGGCAATGA  
 AGGAGATTACATCAGGCTTACCAGTCAAAGTTGTGGTGGATGTTTTAAGACAAGCTTCTAAGGCTTGTGT  
 AGTCAAACGTGAATTTAAGAAGGCAGAGCAGTTAATTAACATGCAGTGTATTTGGCACGAGATCATTTT  
 GGATCCAAACACCCAAAATACTCCGACACACTGTTAGATTATGGGTTCTACTTGTCAATGTAGACAATA  
 TCTGCCAGTCGGTTGCAATTTACCAGGCAGCCCTCGACATTCGACAGTCAGTGTTTGGTGGCAAAAATAT  
 TCATGTAGCGACAGCTCATGAAGACCTGGCTTACTCTTCGATGTGCACCAGTACAGCTCTGGAAAATTC  
 GACAACGCCCTATTTTCATGCAGAAAGAGCCATTGGTATCATTACCCACATCCTACCTGAAGATCATCTTC  
 TTTTGGCTTCTCAAAGAGGGTGAAAGCACTTATATTAGAGGAGATTGCAATCGACTGTCAACAAGGA  
 GACGGAGCAGAGGCTGCTTCAGGAAGCACATGACTTGCCTTGTCTCACTGCAGCTAGCTAAGAAAGCA  
 TTCGGAGAATTTAATGTACAGACTGCAAAGCACTATGGGAACCTTGAAGACTTTATCAGTCAATGAGAA  
 AATTTAAGGAAGCTGAAGAAATGCACATAAAAAGCAATTCAGATTAAGGAGCAGCTCCTTGGTCAAGAAGA  
 TTATGAAGTGGCCCTTTCGGTGGGACACCTGGCATCTCTGTACAATTATGACATGAATCAGTATGAAAAT  
 GCTGAGAACTGTACCTTCGGTCGATAGCGATTGGGAAGAAGCTGTTTGGCGAAGGCTACAGCGGGCTGG  
 AGTATGACTACCGTGGCCTCATTAAAGCTCTACAACCTCCACTGGGAACTATGAGAAGGTGTTTGAGTACCA  
 CAACGTCCTGTCTAACTGGAACCGTTGCGAGACCGACAGTATTCAGTGACCGATGCCCTGAAGACGTC  
 AACAGCAGCCCCAGTCCACTGAGGAAGTGGTGCAGTCTTCCTGATGTCTCAGAATGTTGAGGGACCAA  
 GCTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001100969

**Insert Size:** 1758 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:**

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\\_001100969.1](#), [NP\\_001094439.1](#)

**RefSeq Size:** 6384 bp

**RefSeq ORF:** 1758 bp

**Locus ID:** 303396

**UniProt ID:** [A5HK05](#)

**Cytogenetics:** 10q26

**Gene Summary:** May play a role in intracellular protein transport. May be involved in the translocation of APP along microtubules toward the cell surface (By similarity).[UniProtKB/Swiss-Prot Function]