

## Product datasheet for **RR201956**

### Anp32e (NM\_001013200) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32e (NM_001013200) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anp32e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201956 representing NM_001013200 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGATGAAGAAGAAGATTAACATGGAGTTGAAGAACAGAGCCCCGGAGGAGGTGACAGAGTTAGTCC  
TTGATAATTGCTTGTGTGCAATGGGGAGATCGAAGGCCGCTGAATGACACCTTTAAAGAACTGGAGTTTCT  
CAGTATGGCCAACGTGGAGTTAAGTTCTTTGGCCCGGCTCCAGCTTAAACAACTTCGGAAGTTGGAA  
CTTAGTGACAATAAATTTCTGGAGCCTGGAAGTCTGGCAGAGAAATGTCAAATCTTACCTACCTCA  
ATCTGAGTGAAACAAAATTAAGACCTCAGTACAGTAGAAGCTCTGAAAATCTTAAAAATTTGAAAAG  
TCTTGACTTGTTAACTGTGAGATCACAAACCTGGAAGATTACAGAGAAAGTATTTTCGAACTGCTGCAA  
CAAATCACATACTTGGACGGATTTGATCAGGAGGACAATGAAGCGCCGACTCAGAGGAGGAGGAGGAGG  
ACGAGGATGGAGATGAGGATGAGGAAGATGAGGAAGAAGATGAAGCTGGTCCACCTGAAGGATACGAAGA  
TGAGGATGAGGATGAGGATGAAGCTGGCTCAGAAGTAGGAGAGGGAGAAGAGGAGGTGGCCTCTCATACT  
TTAATGAAAGAAGAAATTCAGGATGAAGAAGACGATGATGATTACGTTGATGAAGGGGAGGAAGAGGAAG  
AAGAGGAAGAAGAGGGTCTCGGGGAGAGAAAAGAAAGCGAGATGCTGAAGATGACGGGGAGGAAGATGA  
TGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201956 representing NM\_001013200  
 Red=Cloning site Green=Tags(s)

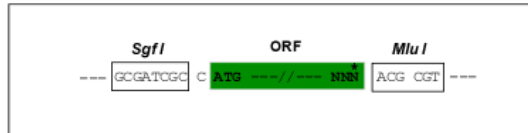
MEMKKKINMELKNRAPEEVTTELVDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKLE  
 LSDNIIISGGLVLAEKCPNLTYLNLSGNKIKDLSTVEALQNLKSLDLFNCEITNLEDYRESIFELLQ  
 QITYLDGFDQEDNEAPDSEEEEEDEGDDEDEDEEAEAGPPEGYEDEDEDEDEAGSEVGEVEEVLGSY  
 LMKEEIQDEEDDDYVDEGEEEEEEEEEGPRGEKRKRDAEDDGEDDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001013200

**ORF Size:** 774 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:**

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\\_001013200.1](#), [NP\\_001013218.1](#)

**RefSeq Size:** 1397 bp

**RefSeq ORF:** 777 bp

**Locus ID:** 361999

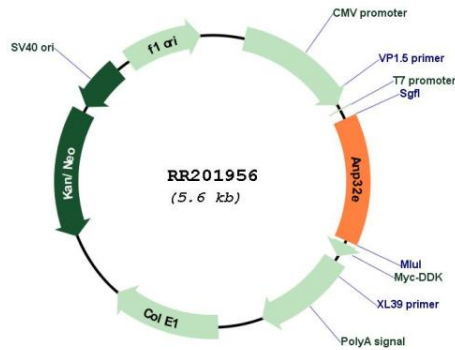
**UniProt ID:** [Q5XIE0](#)

**Cytogenetics:** 2q34

**MW:** 29.4 kDa

**Gene Summary:** Histone chaperone that specifically mediates the genome-wide removal of histone H2A.Z/H2AFZ from the nucleosome: removes H2A.Z/H2AFZ from its normal sites of deposition, especially from enhancer and insulator regions. Not involved in deposition of H2A.Z/H2AFZ in the nucleosome. May stabilize the evicted H2A.Z/H2AFZ-H2B dimer, thus shifting the equilibrium towards dissociation and the off-chromatin state. Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RR201956