

Product datasheet for **MR228767**

Anp32e (NM_001253757) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anp32e (NM_001253757) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Anp32e
Synonyms: 2810018A15Rik; AI047746; AI326868; CPD1; LANP-L; LANPL; mLANP-L
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228767 representing NM_001253757
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGATGAAGAAGAAGATTAACATGGAGTTGAAGAACAGAGCCCCGGAGGAGGTGACAGAGTTAGTCC
TCGATAATTGCTTGTGTGCAATGGGAAATCGAAGGCCTGAATGACACCTTTAAGGAAGTGGAGTTTCT
TAGCATGGCCAACGTGGAGTTGAGTTCCCTGGCCCGCTCCAGCTTGAATAAACTCCGGAAGTTGGAA
CTTAGTGACAATAAATTTCTGGAGGCTTGAAGTCTGGCAGAGAAATGTCAAATCTTACCTACCTCA
ATCTGAGTGAAAACAAAATAAAGATCTCAGTACAGTAGAAGCGCTGCAAATCTTAAAAATTTGAAAAG
TCTCGACTTGTTAACTGTGAGATCACAAACCTGGAAGATTATAGAGAAAGTATTTTTGAACTGCTGCAG
CAGATCACCTACCTGGACGGATTCGACCAGGAGGACAACGAAGCTCCCGACTCGGAGGAGGAGGATGACG
ACGACGAGGATGGAGATGAAGATGAGGAAGATGAGGACGAAGATGAAGCTGGCCACCGGAAGGCTATGA
AGAGGAGGAAGATGACGATGAGGATGAAGCTGGCTCAGAAGTGGGAGAGGAGAAGAGGAGGATGAAGAG
GACGATGATGACTACGTTGATGAAGGGGAGGAGGAGGAAGAAGAGGAGGAAGAGGGTCTTCGGGGAGAGA
AGAGAAAGCGAGATGCTGAGGATGACGGGAGGAAGACGACGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR228767 representing NM_001253757
 Red=Cloning site Green=Tags(s)

MEMKKKINMELKNRAPEEVTTELVDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKLE
 LSDNIISSGGLVLAEKCPNLTYLNLSGNKIKDLSTVEALQNLKSLDLFNCEITNLEDYRESIFELLQ
 QITYLDGFDQEDNEAPDSEEEEDDDGDEDEDEDEDEDEAGPPEGYEEEEEDDEDEAGSEVGEGEEDEE
 DDDDYVDEGEEEEEEEEGLRGEKRRDAEDDGEEDDD

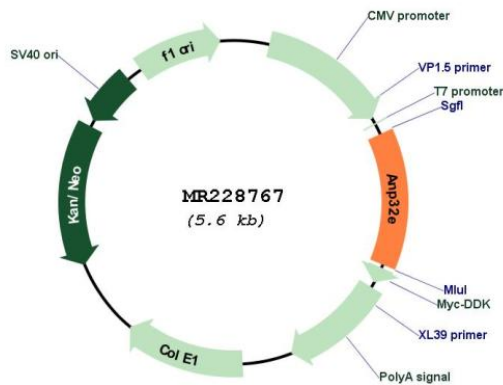
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001253757
ORF Size: 744 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:	<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_001253757.1 , NP_001240686.1
RefSeq Size:	3237 bp
RefSeq ORF:	747 bp
Locus ID:	66471
UniProt ID:	P97822
Cytogenetics:	3 F2.1
MW:	28.7 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 (PubMed:24463511). Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis.[UniProtKB/Swiss-Prot Function]