

Product datasheet for **MC226556**

Anp32e (NM_001253757) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32e (NM_001253757) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anp32e
Synonyms:	2810018A15Rik; AI047746; AI326868; CPD1; LANP-L; LANPL; mLANP-L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226556 representing NM_001253757 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGGAGATGAAGAAGAAGATTAACATGGAGTTGAAGAACAGAGCCCCGGAGGAGGTGACAGAGTTAGTCC
TCGATAATTGCTTGTGTCAATGGGAAATCGAAGCCCTGAATGACACCTTTAAGGAAGTGGAGTTTCT
TAGCATGGCCAACGTGGAGTTGAGTTCCTTGGCCCGCTCCAGCTTGAATAAACTCCGGAAGTTGGAA
CTTAGTGACAATAAATTTCTGGAGGCTTGAAGTCTGGCAGAGAAATGTCAAATCTTACCTACCTCA
ATCTGAGTGAAACAAAATAAAGATCTCAGTACAGTAGAAGCGCTGCAAAATCTTAAAAATTTGAAAAG
TCTCGACTTGTTAACTGTGAGATCACAAACCTGGAAGATTATAGAGAAAGTATTTTGAAGTGTGCGAG
CAGATCACCTACCTGGACGGATTGACACAGGAGGACAACGAAGCTCCCGACTCGGAGGAGGAGGATGACG
ACGACGAGGATGGAGATGAAGATGAGGAAGATGAGGACGAAGTGAAGCTGGCCACCGGAAGGCTATGA
AGAGGAGGAAGATGACGATGAGGATGAAGCTGGCTCAGAAGTGGGAGAGGGAGAAGAGGAGGATGAAGAG
GACGATGATGACTACGTTGATGAAGGGGAGGAGGAGGAAGAAGAGGAGGAAGAGGGTCTTCGGGGAGAGA
AGAGAAAGCGAGATGCTGAGGATGACGGGGAGGAAGACGACGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001253757
Insert Size:	747 bp



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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_001253757.1, NP_001240686.1</u>
RefSeq Size:	3237 bp
RefSeq ORF:	747 bp
Locus ID:	66471
UniProt ID:	<u>P97822</u>
Cytogenetics:	3 F2.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>