

Product datasheet for **MC225852**

Anp32e (NM_001253758) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anp32e (NM_001253758) Mouse Untagged Clone
Tag: Tag Free
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
Fully Sequenced ORF: >MC225852 representing NM_001253758
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGATGAAGAAGAAGATTAACATGGAGTTGAAGAACAGAGCCCCGGAGGAGATCACCTACCTGGACG
GATTCGACCAGGAGGACAACGAAGCTCCCGACTCGGAGGAGGAGGATGACGACGACGAGGATGGAGATGA
AGATGAGGAAGATGAGGACGAAGATGAAGCTGGCCACCGAAGGCTATGAAGAGGAGGAAGATGACGAT
GAGGATGAAGCTGGCTCAGAAGTGGGAGAGGGAGAAGAGGAGGTGGCCCTCTCATACTTAATGAAAGACG
AAATTCAGGATGAAGAGGACGATGATGACTACGTTGATGAAGGGGAGGAGGAGGAAGAAGAGGAGGAAGA
GGTCTTCGGGGAGAGAAGAGAAAGCGAGATGCTGAGGATGACGGGGAGGAAGACGACGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001253758
Insert Size: 414 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).
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_001253758.1, NP_001240687.1</u>
RefSeq Size:	2904 bp
RefSeq ORF:	414 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 (3) lacks an alternate in-frame segment compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>