

Product datasheet for RC236200

LANPL (ANP32E) (NM_001280560) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LANPL (ANP32E) (NM_001280560) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ANP32E
Synonyms: LANP-L; LANPL
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236200 representing NM_001280560
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGATGAAGAAGAAGATTAACTGGAGTTAAGGAACAGATCCCCGGAGGAGGTGACAGAGTTAGTCC
TTGATAATTGCCTGTGTGCAATGGGAAATTGAAGGCCTGAATGATACTTTCAAAGAACTAGAATTTCT
GAGTATGGCTAATGTGGAATAAGTTCGCTGGCCCGGCTCCAGCTAAATAAACTTCGAAAATTGGAG
CTTAGTGATAATAATTTCTGGAGGCTTGAAGTCTGGCAGAGAAATGTCCAATCTTACCTACCTCA
ATCTGAGTGAAAACAAAATAAAGATCTCAGTACAGTAGAAGCTCTGATGGCGATGAAGATGATGAAGAG
GAAGAGGAAAAATGAAGCTGGTCCACCGGAAGGATATGAGGAAGAGGAGGAGGAAGAGGAAGAGGAGGATG
AGGATGAGGATGAAGATGAAGATGAAGCAGGTTTCAGAGTTGGGAGAGGGAGAAGAGGAAGTGGCCCTCTC
ATACT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236200 representing NM_001280560
Red=Cloning site Green=Tags(s)

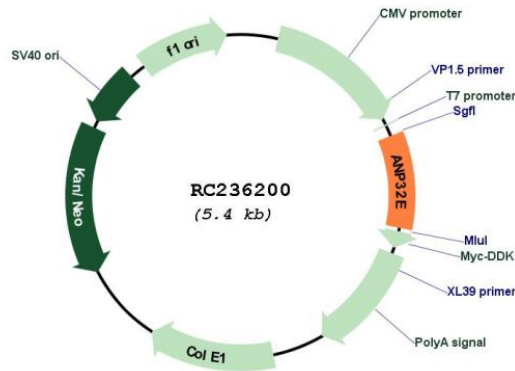
MEMKKKINLELRNRSPEEVELVDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKLE
LSDNIISGGLEVLAEKCPNLTYLNLSGNKIKDLSTVEALMAMKMMKRKRKMKLVHRKDMRKRKRKRKR
RMRMKMKMKQVQSWEREKRWASHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001280560

ORF Size: 495 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_001280560.2
RefSeq Size:	3246 bp
RefSeq ORF:	498 bp
Locus ID:	81611
UniProt ID:	Q9BTT0
Cytogenetics:	1q21.2
Protein Families:	Druggable Genome
MW:	20.1 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]