

## Product datasheet for **RC227678**

### LANPL (ANP32E) (NM\_001136478) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LANPL (ANP32E) (NM\_001136478) 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:** >RC227678 representing NM\_001136478  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGATGAAGAAGAAGATTAACTGGAGTTAAGGAACAGATCCCCGGAGGAGGTGACAGAGTTAGTCC  
TTGATAATTGCCTGTGTCAATGGGGAAATTGAAGGCCTGAATGATACTTTCAAAGAAGTAAATTTCT  
GAGTATGGCTAATGTGGAATAAGTTTCGCTGGCCCGCTCCAGCTTAAATAAACTTCGAAAACAAAAT  
CTTAAAAATTTGAAAAGTCTTGACCTGTTAACTGTGAGATCACAAACCTGGAAGATTATAGAGAAAGTA  
TTTTTGAAGTACTGCAGCAAATCACATACTTAGATGGATTTGATCAGGAGGATAATGAAGCGCCGGACTC  
TGAAGAGGAGGATGATGAGGATGGCGATGAAGATGATGAAGAGGAAGAGGAAAAATGAAGCTGGTCCACCG  
GAAGGATATGAGGAAGAGGAGGAGGAAGAGGAAGAGGAGGATGAGGATGAGGATGAAGATGAAGATGAAG  
CAGGTTCAAGATTGGGAGAGGGAGAAGAGGAAGTGGCCCTCTCACTTAAATGAAAGAAGAAATTCAGGA  
TGAAGAAGATGATGACTATGTTGAAGAAGGGGAAGAAGAGGAAGAAGAGGAAGAAGGAGGTCTTCGA  
GGGGAGAAGAGGAACGAGATGCTGAAGACGATGGAGAGGAAGAAGATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227678 representing NM\_001136478  
 Red=Cloning site Green=Tags(s)

MEMKKKINLELRNRSPEEVTTELVDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKQN  
 LKNLKSLLDFNCEITNLEDYRESIFELLQQITYLDGFDQEDNEAPDSEEEDEDEDDEEEENEAGPP  
 EGYEEEEEEEEDEDEDEDEAGSELGEGEEVGLSYLMKEEIQDEEDDDDYVEEGEEEEEEEEGLR  
 GEKRRKRAEDDGEEEDD

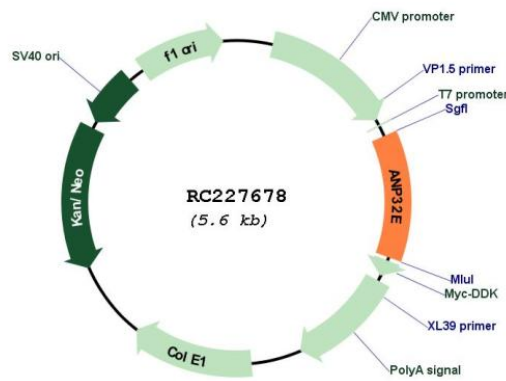
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001136478  
**ORF Size:** 681 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001136478.4</a>
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	81611
<b>UniProt ID:</b>	<a href="#">Q9BTT0</a>
<b>Cytogenetics:</b>	1q21.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	26.1 kDa
<b>Gene Summary:</b>	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]