

Product datasheet for **SC334940**

LANPL (ANP32E) (NM_001280559) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LANPL (ANP32E) (NM_001280559) Human Untagged Clone
Tag:	Tag Free
Symbol:	LANPL
Synonyms:	LANP-L; LANPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001280559, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGATGAAGAAGAAGATTAACCTGGAGTTAAGGAACAGATCCCCGGAGGAGGTGACAGAGTTAGTCC
TTGATAATTGCCTGTGTGTCAATGGGAAATTGAAGGCCTGAATGATACTTTCAAAGAACTAGAATTTCT
GAGTATGGCTAATGTGGAACCTAAGTTCGCTGGCCCGGCTTCCCAGCTTAAATAAACTTCGAAAATTGGAG
CTTAGTGATAATATAATTTCTGGAGGCTTGAAGTCTGGCAGAGAAATGTCCAAATCTTACCTACCTCA
ATCTGAGTGGAACAAAAATAAAGATCTCAGTACAGTAGAAGCTCTGCAAAATCTTAAAAATTTGAAAAG
TCTTGACCTGTTAACTGTGAGATCACAAACCTGGAAGATTATAGAGAAAGTATTTTTGAACTACTGCAG
CAAATCACATACTTAGATGGATTTGATCAGGAGGATAATGAAGCGCCGGACTCTGAAGAGGAGGATGATG
AGGATGGCGATGAAGATGATGAAGAGGAAGAGGAAAATGAAGCTGGTCCACCGGAAGGATATGAGGAAGA
GGAGGAGGAAGAGGAAGAGGAGGATGAGGATGAGGATGAAGATGAAGATGAAGCAGGTTGAGGTTGGGA
GAGGGAGAAGAGGAAGTGGGCCTCTCACTTAATGAAAGAAGAAATTCAGGATGAAGAAGATGATGATG
ACTATGTTGAAGAAGGGGAAGAAGAGGAAGAAGGAAGGAGGTCTTCGAGGGGAGAAGAGGAAACGAGA
TGCTGAAGACGATGGAGAGGAAGAAGATGACTAG
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001280559
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).



[View online »](#)

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_001280559.1, NP_001267488.1</u>
RefSeq Size:	3464 bp
RefSeq ORF:	804 bp
Locus ID:	81611
UniProt ID:	<u>Q9BTT0</u>
Cytogenetics:	1q21.2
Protein Families:	Druggable Genome
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 (4) has an alternate splice site in the 3' coding region compared to variant 1. The resulting isoform (4) lacks an internal aa compared to isoform 1.</p>