

Product datasheet for **SC109147**

LANPL (ANP32E) (NM_030920) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LANPL (ANP32E) (NM_030920) Human Untagged Clone
Tag:	Tag Free
Symbol:	LANPL
Synonyms:	LANP-L; LANPL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109147 sequence for NM_030920 edited (data generated by NextGen Sequencing)

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ATGGAGATGAAGAAGAAGATTAACCTGGAGTTAAGGAACAGATCCCCGGAGGAGGTGACA  
GAGTTAGTCCTTGATAATTGCCTGTGTCAATGGGAAATTGAAGCCTGAATGATACT  
TTCAAAGAAGTAGAATTTCTGAGTATGGCTAATGTGGAAGTAAGTTCGCTGGCCCGGCTT  
CCCAGCTTAAATAAACTTCGAAAATTGGAGCTTAGTGATAATATAATTTCTGGAGGCTTG  
GAAGTCTGGCAGAGAAATGTCCAAATCTTACCTACCTCAATCTGAGTGGAAACAAAATA  
AAAGATCTCAGTACAGTAGAAGCTCTGCAAAATCTTAAAAATTTGAAAAGTCTTGACCTG  
TTTAACTGTGAGATCACAAACCTGGAAGATTATAGAGAAAGTATTTTTGAACTACTGCAG  
CAAATCACATACTTAGATGGATTTGATCAGGAGGATAATGAAGCGCCGGACTCTGAAGAG  
GAGGATGATGAGGATGGAGATGAAGATGATGAAGAGGAAGAGGAAAATGAAGCTGGTCCA  
CCGGAAGGATATGAGGAAGAGGAGGAGGAAGAGGARGAKGAGGATGAGGATGARGATGAA  
GATGAAGATGAAGCAGGTTGAGATTGGGAGAGGGAGAAGAGGAAGTGGGCCTCTCATAC  
TTAATGAAAGAAGAAATTCAGGATGAAGAAGATGATGATGACTATGTTGAAGAAGGGGAA  
GAAGAGGAAGAAGAGGAAGAAGGAGGTCTTCGAGGGGAGAAGAGGAAACGAGATGCTGAA  
GACGATGGAGAGGAAGAAGATGACTAG
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Clone variation with respect to NM_030920.3
498 c=>a;576 a=>r;579 g=>k;594 g=>r



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_030920 unedited</p> <pre>CGTTCANNATTTTGTAAACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGCAAC TCTTGGACTCCATTTGCTATTCTCTTTCTCCCCACACCTATCTGGTGGTGGTAGTG GGCGTTTATATTTGCGTTCCTTTTCATTCATTTCTAAATCTCTTAAAAATTTGGGTTGG GGGTATTGGGGAAGGCAGGAAAGGGAAAAGGAGAGTAGTAGCTGAAGAGCAAGAGGAGGA CATGGAGATGAAGAAGAAGATTAACCTGGAGTTAAGGAACAGATCCCCGGAGGAGGTGAC AGAGTTAGTCCCTTGATAATTGCCTGTGTGTCAATGGGAAATTGAAGCCTGAATGATAC TTTCAAAGAACTAGAATTTCTGAGTATGGCTAATGTGGAATAAGTTCGCTGGCCCGGCT TCCCAGCTTAAATAAACTTCGAAAATTGGAGCTTAGTGATAATATAATTTCTGGAGGCTT GGAAGTCTGGCAGAGAAATGTCCAAATCTTACCTACCTCAATCTGAGTGGAAACAAAAT AAAAGATCTCAGTACAGTAGAAGCTCTGCAAAATCTTAAAAATTTGAAAAGTCTTGACCT GTTTAACTGTGAGATCACAACCTGGAAGATTATAGAGAAAGTATTTTTGAACTACTGCA GCAATACATACTTAGATGGATTTGATCAGGAGGATAATGAAGCGCCGGACTCTGAAGA GGAGGATGATGAGGATGGAGATGAAGATGATGAAGAGGAAGAGGAAAATGAAGCTGGTCC ACCGGAAGGATATGAGGAAGAGGAGGAGGAAAAGGANGATGANGATGANGATGAAGATGA AGATGAAGCANGTTCANAGTTGGGAGAAGGAGAAGAAGAAGTGGGCTCTCATACTTNA GAAGAAAATTCNGATGAAGAAGATN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_030920 unedited</p> <pre>GTAAGAGGCCGCATCTAAATCGAGTTTTTTTTTTTTTTTTTTTTGGTTTTAACACTGTCATG GCTTTATTCAAAACACAGTTGCACAAAAGTATTAACCTCAAAGTTTTTAAAGAGATTCTT GAGGAACTTAACACAATATATACATACTGCCATACAAAGAGCATTAAAAATAGGACCGAAA ACTTCTACAAAATATAAAACCCACCCTTACTTATTTGCATGAAAATACCACCCACAAAGC TAAATAAGTCTTAAAAGTTATCTGGAGGCTCTAAGTGTTGTTTTCAAACCAAAGTACTCT AATTTTGATTGCACAGTAAGATGATTGATAAGAAAAGTCAATATATAGATTCATTTTAAA AATAAGTATTTTGTAAATCTGGCATAGTATGTAATGAGAATTGTTAGGAACTAGAACAGGG AATTTTCAGTTTTTAAAAGCAGAAGAAAATGTTATCTTTTTGGGGATTCCAATCCCCTCA CTAAACTTATCCCCAAGGGTTTTCTTTCGGTCAGTTGTACAACATTTTTAGTTTCTCCAC AAGTAACATCATAATTTTACTTTAAAACACCAAGTCATACATTTTACATTGTAGAAGCA GTAGCAGCAGTACTATACTCAGTATTTAAATATGTCCCAGTATAGAAGCATAACTTCAAT TAATTTGCTGACACTAACTTCTTAAAACTTACAATATTCAAAACAAAGGGAAAAATTC TAGATAGCCAAGATTTATAAAGCCATTGCCTTTGACATGGAGCCTTCATAGCNAAAGAGG AGATATACTGNACTACTATTTATATTTATTTAGNAGCCATGTAAGTACACACACTCACT TATCCCAATATTTTNTACTTTTAAATGGAATNCACTTGAAAACAAATCCTATTTAATGCAC ATTAGTTNAAATACTTTTCAGCGNCTAGATATTCCAATAAAGCTATATAATATCGTTAA ACGGAATTAAGCTAGATACTTGCAAGAGGATCAAATCTTGAAGGCAACT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_030920
Insert Size:	3160 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).
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_030920.2 , NP_112182.1
RefSeq Size:	3273 bp
RefSeq ORF:	807 bp
Locus ID:	81611
UniProt ID:	Q9BTT0
Cytogenetics:	1q21.2
Domains:	LRR
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 (1) represents the longest transcript and encodes the longest isoform (1).</p>