

Product datasheet for **RG236200**

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: TurboGFP
Symbol: LANPL
Synonyms: LANP-L; LANPL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236200 representing NM_001280560.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGATGAAGAAGAAGATTAACCTGGAGTTAAGGAACAGATCCCCGGAGGAGGTGACAGAGTTAGTC
CTTGATAATTGCCTGTGTCAATGGGAAATTGAAGGCCTGAATGATACTTTCAAAGAAGTAAATTT
CTGAGTATGGCTAATGTGGAAGTAAAGTTCGCTGGCCCGGCTTCCAGCTTAAATAAACTTCGAAAATTG
GAGCTTAGTGATAATAATTTCTGGAGGCTTGGAAAGTCTGGCAGAGAAATGTCCAATCTTACCTAC
CTCAATCTGAGTGAAACAAAATAAAGATCTCAGTACAGTAGAAGCTCTGATGGCGATGAAGATGATG
AAGAGGAAGAGGAAAATGAAGCTGGTCCACCGGAAGGATATGAGGAAGAGGAGGAGAAGAGGAAGAGG
AGGATGAGGATGAGGATGAAGATGAAGATGAAGCAGGTTGAGAGTTGGGAGAGGAGAAGAGGAAGTGG
GCCTCTCATACT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236200
Blue=ORF Red=Cloning site Green=Tag(s)

```
MEMKKKINLELRNRSPEEVTELVDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKL
ELSDNIIISGGLVLAEKCPNLTYLNLSGNKIKDLSTVEALMAMKMMKRKRKMKLVHRKDMRKRKRKRKR
RMRMRMKMKMKQVQSWEREKRKWASHT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


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).

RefSeq: [NM_001280560.2](#)

RefSeq Size: 3246 bp

RefSeq ORF: 498 bp

Locus ID: 81611

UniProt ID: [Q9BTT0](#)

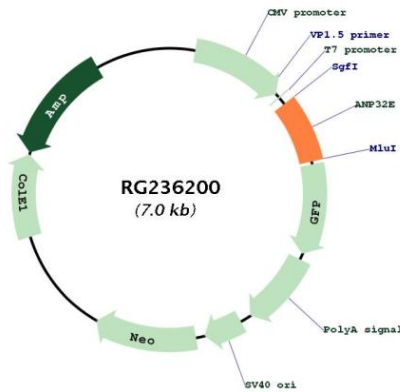
Cytogenetics: 1q21.2

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]

Product images:


Circular map for RG236200