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Product datasheet for MR203387

Anp32e (NM_023210) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32e (NM_023210) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anp32e
Synonyms:	2810018A15Rik; AI047746; AI326868; CPD1; LANP-L; LANPL; mLANP-L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR203387 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGATGAAGAAGAAGATTAACATGGAGTTGAAGAACAGAGCCCCGGAGGAGGTGACAGAGTTAGTCC
TCGATAATTGCTTGTGTGTCAATGGGGAAATCGAAGGCCTGAATGACACCTTTAAGGAACTGGAGTTTCT
TAGCATGGCCAACGTGGAGTTGAGTTCCTTGGCCCGGCTTCCCAGCTTGAATAAACTCCGGAAGTTGGAA
CTTAGTGACAATATAATTTCTGGAGGCTTGGAAGTCCTGGCAGAGAAATGTCCAAATCTTACCTACCTCA
ATCTGAGTGGAAACAAAATAAAAGATCTCAGTACAGTAGAAGCGCTGCAAAATCTTAAAAATTTGAAAAG
TCTCGACTTGTTTAACTGTGAGATCACAAACCTGGAAGATTATAGAGAAAGTATTTTTGAACTGCTGCAG
CAGATCACCTACCTGGACGGATTCGACCAGGAGGACAACGAAGCTCCCGACTCGGAGGAGGAGGATGACG
ACGACGAGGATGGAGATGAAGATGAGGAAGATGAGGACGAAGATGAAGCTGGCCCACCGGAAGGCTATGA
AGAGGAGGAAGATGACGATGAGGATGAAGCTGGCTCAGAAGTGGGAGAGGGAGAAGAGGAGGTGGGCCTC
TCATACTTAATGAAAGACGAAATTCAGGATGAAGAGGACGATGATGACTACGTTGATGAAGGGGAGGAGG
AGGAAGAAGAGGAGGAAGAGGGTCTTCGGGGAGAGAAGAGAAAGCGAGATGCTGAGGATGACGGGGAGGA
AGACGACGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

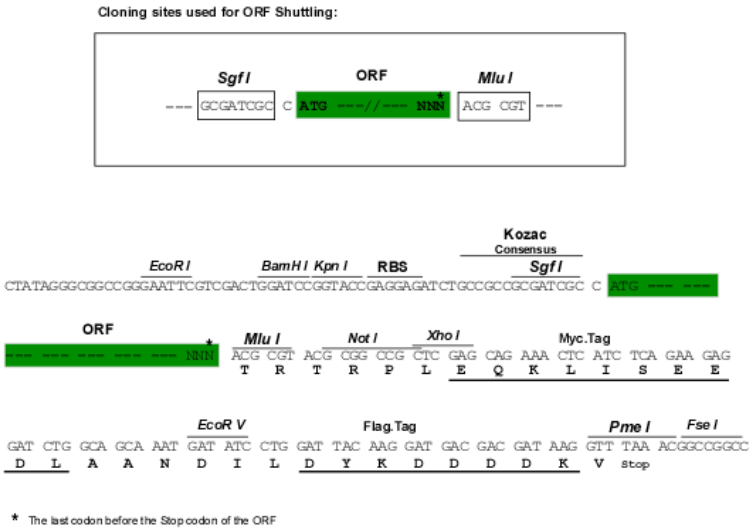
>MR203387 protein sequence
Red=Cloning site Green=Tags(s)

MEMKKKINMELKNRAPEEVTELVLDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKLE
LSDNIISGGLEVLAEKCPNLTYLNLSGNKIKDLSTVEALQNLKNLKSLDLFNCEITNLEDYRESIFELLQ
QITYLDGFDQEDNEAPDSEEEDDDDEDGDEDEEDEDEDEAGPPEGYEEEEDDDEDEAGSEVGEGEEEVGL
SYLMKDEIQDEEDDDDYVDEGEEEEEEEEEGLRGEKRKRDAEDDGEEDDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023210

ORF Size: 783 bp

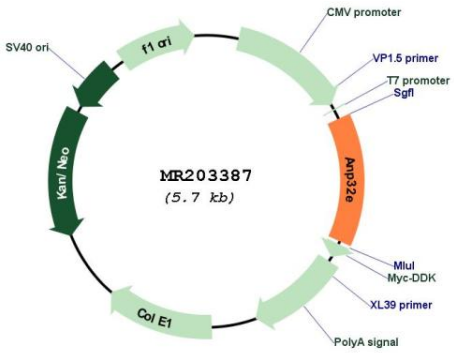
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	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_023210.4
RefSeq Size:	3273 bp
RefSeq ORF:	783 bp
Locus ID:	66471
UniProt ID:	P97822
Cytogenetics:	3 F2.1
MW:	29.6 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 MR203387