

Product datasheet for MR203126

Anp32a (NM_009672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32a (NM_009672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anp32a
Synonyms:	Anp32; I1PP2A; LANP; PHAP1; pp32; W91701
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203126 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGAGATGGACAACGGATTTATTTAGAGCTGCGGAACAGGACGCCCTCTGATGTGAAAGAGCTGGTCC
TGGATAACTGTAAGTCAATTGAAGGCAAATCGAAGGCCACCGGATGAGTTTGAAGAACTGGAATTCCT
AAGTACAATCAACGTAGGCCTCACCTCCATTTCCAACCTACCAAAGTTAAACAACTCAAGAAGCTTGAA
TTAAGCGAAAACAGAATCTCAGGGGACCTGGAAGTATTGGCAGAGAAATGTCCGAACCTTAAGCATCTAA
ATTTAAGTGGCAACAAAATAAAAGATCTCAGCACAATAGAGCCGCTGAAGAAGTTAGAGAATCTCAAGAG
CCTAGACCTGTTAACTGTGAGGTGACCAACCTGAATGCCTACCGAGAAAACGTGTTCAAGCTCCTGCC
CAGGTCATGTACCTCGATGGCTATGACAGGGACAACAAGGAGGCCCCCGACTCCGATGTTGAGGGCTACG
TGGAGGATGACGACGAGGAAGATGAGGATGAGGAGGAGTATGATGAATATGCCAGCTAGTGAAGATGA
AGAGGAAGAGGATGAGGAGGAAGAAGGGGAGGAAGAGGATGTGAGTGGAGAGGAGGAGGAGGATGAGGAA
GGTTACAATGACGGGAAGTGGATGACGAGGAAGCAAGAAGAAGCTGGTGAAGAAGAAGGGAGTCAGA
AGCGAAAACGAGAACCGGACGATGAGGGCAAGAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203126 protein sequence
Red=Cloning site Green=Tags(s)

MEMDKRIYLELRNRTPSDVKELVLDNCKSIEGKIEGLTDFELEEFLSTINVGLTISISNLPKLNKLLKLE
 LSENRISGDLEVLAEKCPNLKHLNLSGNKIKDLSTIEPLKLENLKSLLDFNCEVTNLNAYRENVFKLLP
 QVMYLDGYDRDNKEAPSDVVEGYVEDDDEEDEDDEEYDEYAQLVEDEEEDEEEEGEEEDVSGEEEEEDEE
 GYNDGEVDDEEEDDEEAGEEEGSQKRKREPDPDEGEEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009672

ORF Size: 744 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).

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_009672.3](#), [NP_033802.2](#)

RefSeq Size: 2105 bp

RefSeq ORF: 744 bp

Locus ID: 11737

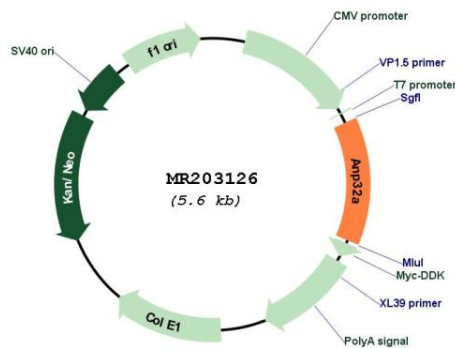
UniProt ID: [O35381](#)

Cytogenetics: 9 33.68 cM

MW: 28.5 kDa

Gene Summary: Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203126