

Product datasheet for **MG204827**

Anp32b (BC093506) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32b (BC093506) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anp32b
Synonyms:	PHAPI2a, PAL31, Ssp29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204827 representing BC093506 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATATGAAGAGGAGGATCCACCTGGAGCTGAGGAACCGGACCCCGCAGCCGTTTCGAGAAGCTTGCT
TGGACAATTGCAAAGCAATGGATGGAAAAATTGAGGGTTAACAGATGAATTTGTGAAGCTTAGAGTTCT
CAGTTAATAAGTGTAGGCTTGTTCAGTTTCAGACCTCCCGAAGCTACCTAAGTTGAAAAAGCTTGAG
CTCAGTAAAAATAGAATCTTCGGAGGTCTGGACAGACTAGCAGAAGAACTCCAAGCCTCACACATCTGA
ACCTAAGTGGCAATAACCTGAAAGATATCAGCACCTTGGAGCCGTTGAAAAGTTGGATTGTCTGAAAAG
CCTGGATCTGTTGGCTGTGAGGTCACTAACCGGAGTGATTACCGAGAACTGTCTTCAGGCTCCTGCC
CAGCTGTCTATCTGGATGGCTATGACCGAGAGGACCAGGAAGCACCTGACTCAGATGTGGAGGTGGATA
GTGTAGAGGAAGCCCGACTCAGATGGAGAGGTGGATGGTGTGGACAAAGAGGAAGAGGATGAAGAAGG
AGAGGATGAAGAGGAAGAGGAAGATGAGGATGGTGGAGGAAGAAGAAGATGAAGACGAAGAAGATGAGGAT
GAAGATGAGGATGTAGAAGGAGAAGATGATGAGGATGAAGTCAGCGGGGAGGTGAATACTGTTTCT
TCCCTATCTGTGTAAGACAAAGGAAGAAGAATTTGGACATGATGGGGAAGTTGATGAAGATGAAGAAGA
TGAGGATGAAGATGAGGATGAAGAGGAGGAAGAAAGTGGGAAGGGTGAAGAAGAGAGAGAAACAGAT
GACGAAGAAGAAGAGCCAAAGAATAGTTCCCGCAGATTCCGCTTCTCCGTTAGCCCTTGTTGTAATCC
ACCACCAAGCCTGGGACTTCGCCCAACAAAATTGTAACGTTGTTAGTTCGTTGTAAGACTCTTGC
TGATATCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204827 representing BC093506
 Red=Cloning site Green=Tags(s)

MDMKRRIHLELRNRTPAAVRELVLDNCKAMDGKIEGLTDEFVNLEFLSLISVGLFSVSDLPKLPLKLLKLE
 LSENRIFGGLDRLAEELPSLTHLNLSGNNLKDISTLEPLKRLDCLKSLDLFGCEVTNRSYRETVFRLLP
 QLSYLDGYDREDQEAPDSVDEVDVSVVEEAPDSGDGEVDGVDKEEEDDEEEDDEEEDDEEEDDEEED
 EDEDVEGEDDEDEVSGEVNTTVFFPICVKTKEEEFGHDGEVDEDEDEDEDEDEDEEESGKGEKRRKRETD
 DEEEEPKNSSRDIPSSVSPLVIHHQAWGLRPNKIVNVVRF SCKTLAVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC093506

ORF Size: 989 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: [BC093506](#), [AAH93506](#)

RefSeq Size: 1297 bp

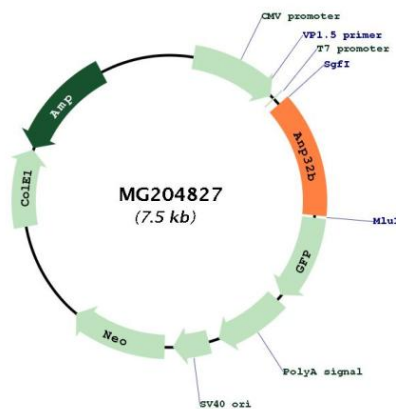
RefSeq ORF: 989 bp

Locus ID: 67628

Cytogenetics: 4 B1

Gene Summary: Multifunctional protein working as a cell cycle progression factor as well as a cell survival factor. Required for the progression from the G1 to the S phase. Anti-apoptotic protein which functions as a caspase-3 inhibitor. Has no phosphatase 2A (PP2A) inhibitor activity. Exhibits histone chaperone properties, stimulating core histones to assemble into a nucleosome (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204827