

## Product datasheet for **MG203635**

### Anp32b (NM\_130889) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32b (NM_130889) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anp32b
Synonyms:	2410015B15Rik; PAL31; PHAPI2a; Ssp29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203635 representing NM_130889 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATATGAAGAGGAGGATCCACCTGGAGCTGAGGAACCGGACCCCGCAGCCGTTTCGAGAACTTGCT  
TGGACAATTGCAAAGCAATGGATGGAAAAATTGAGGGTTAACAGATGAATTTGTGAACCTAGAGTTCT  
CAGTTAATAAGTGTAGGCTTGTTCAGTTTCAGACCTCCCGAAGCTACCTAAGTTGAAAAAGCTTGAG  
CTCAGTAAAAATAGAATCTTCGGAGGTCTGGACAGACTAGCAGAAGAACTCCAAGCCTCACACATCTGA  
ACCTAAGTGGCAATAACCTGAAAGATATCAGCACCTTGGAGCCGTTGAAAAGTTGGATTGTCTGAAAAG  
CCTGGATCTGTTTGGCTGTGAGGTCACTAACCGGAGTGATTACCGAGAACTGTCTTCAGGCTCCTGCC  
CAGCTGTCCTATCTGGATGGCTATGACCGAGAGGACCAGGAAGCACCTGACTCAGATGTGGAGGTGGATA  
GTGTAGAGGAAGCCCGACTCAGATGGAGAGGTGGATGGTGTGGACAAAGAGGAAGAGGATGAAGAAGG  
AGAGGATGAAGAGGAAGAGGAAGATGAGGATGGTGGAGGAAGAAGATGAAGACGAAGAAGATGAGGAT  
GAAGATGAGGATGTAGAAGGAGAAGATGATGAGGATGAAGTCAGCGGGGAGGAAGAAGATTTGGACATG  
ATGGGGAAGTTGATGAAGATGAAGAAGATGAGGATGAAGATGAGGATGAAGAGGAGGAAGAAGTGGGAA  
GGGTGAAAAGAGAAAGAGAGAAACAGATGACGAAGGAGAAGATGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203635 representing NM\_130889  
 Red=Cloning site Green=Tags(s)

MDMKRRIHLELRNRTPAAVRELVLNCKAMDGKIEGLTDEFVNLEFLSLISVGLFSVSDLPKLPLKLLKLE  
 LSENRIFGGLDRLAEELPSLTHLNLSGNNLKDISTLEPLKRLDCLKSLDLFGCEVTNRSYRETVFRLLP  
 QLSYLDGYDREDQEAPDSVDEVDSVVEEAPDSGDEVDGVDKEEEDDEEEDDEEEDDEEEDDEEED  
 EDEDVEGEDDEDEVSGEIEEFHGDGEVDEDEDEDEDEDEEESGKGEKRKRETDDEGEDD

TRTRPLE - GFP Tag - V

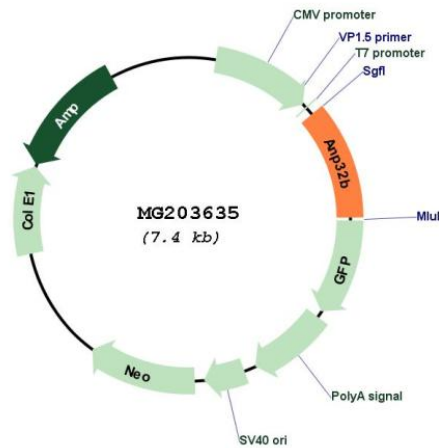
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_130889

**ORF Size:** 816 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_130889.3</a>
<b>RefSeq Size:</b>	1408 bp
<b>RefSeq ORF:</b>	819 bp
<b>Locus ID:</b>	67628
<b>UniProt ID:</b>	<a href="#">Q9EST5</a>
<b>Cytogenetics:</b>	4 B1
<b>Gene Summary:</b>	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]