

## Product datasheet for **MG219888**

### Anks1b (NM\_001177398) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001177398) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anks1b
Synonyms:	AIDA-1b; C030032C09Rik; E530015N03Rik; ENSMUSG00000078431; Gm1555; Gm10937
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG219888 representing NM\_001177398  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGTGGCAATGCCACCCCTCAGCCCCGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTAA  
 AGCGCTTCCCTCTTACCCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGCTGGAAAG  
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAGTGTACAGTTTATGGGAAGC  
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAACTCTGGCCACAGACAGAGAATTCTAC  
 AAGCGATCCAGCTCCTTCCAAAGATGAGGCCCATCGGCCATGATGGCTACCATCCACCTCTGTAGCCGA  
 GTGGCTGGATTCCATTGAGCTGGGTGATTACACCAAAGCCTTCTCATCAATGGCTACACGTCCATGGAC  
 CTGTTGAAAAAGATCTGGGAGCTTGAGCTTATTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAAC  
 GCATTTTGGCATCTTTGGGAGATAGGCTGCACGACGACCCTCCACAGAAGCCCCCTGGTCCATCACCT  
 CAGGCAGTCGTCTGTCTGTGAAATCTGGACCAATCAGAACGCTGGATTTCTTTCTCAGCGATCCATCAG  
 GTTCATAATACAGGGGACTGGGGAGAACCTTCCATCACCTTGCAGCTCCTAATGAAGCCACAGCTCAA  
 CTCCCCTCCAGTACTGGCAGCATCATCCGAAAAACTCATCTTCCAGTCATGTGACTACAAAACCTTTTA  
 TTAGGTTCTATGCTGATAAAAGAGCTGAGGGGACAGAATCAACACAGGATGCTTGTGCAAAGATGCGG  
 GCTAACTGTCAGAAGTCTACAGAGCAAATGAAGAAAGTCCCCACTATCATCTTTCCGTCTCATATAAG  
 GAGTAAAAATTCGATGCGGCAAATAAGAATATAATCGCCGAACATGAAATTCGTAATATCTCCTGTGC  
 TGCCCAGGACCCAGAAGCCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCCAACCACCTAC  
 TGTCACGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTGACGCTGGGACAGGCATTTG  
 AGGTCGCTTACCAACTAGCCCTACAAGCAAGAAAAGGGGGCCATTCCTCCACTCCAGAAAAGCTTTGA  
 GAACAAGCCCTCGAAACCCATCCCAAAGCCCGAGTTAGCATTGGAAGTCAAGTGCAGATCGACCTTCT  
 GAGCAAAAAGACTCTGGCAATCTGCCGTGGATTGTGGAGCCGGGCAAGAAGCCAAGAGGGGCATTAATA  
 CCAAGTATGAAACCACGATTTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG219888 representing NM\_001177398  
 Red=Cloning site Green=Tags(s)

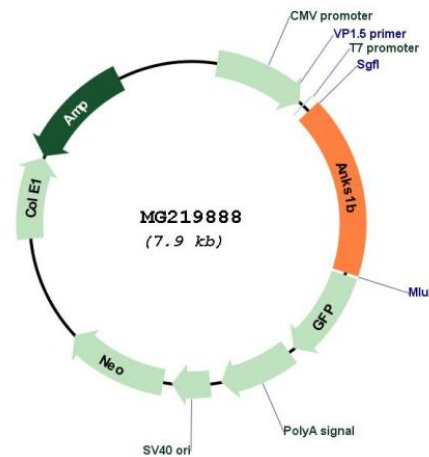
MMWQCHPSAPDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDSVQFMGS  
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD  
 LLKKIWELELINVLKISLIGHKRILASLGDRLHDDPPQKPPRSITLRQSSVCEIWTNQNAGFPFSAIHQ  
 VHNTGDWGEPSITLRPPNEATASTPVQYWQHHEKLIHQSCDYKAFYLGSMLIKELRGTESTQDACAKMR  
 ANCQKSTEQMKKVPTIILSVSYKGVKFIIDAANKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHY  
 CHVFTAFDVNLAYEIIILTLGQAFEVAYQLALQARKGGHSSTLPESFENKPSKPIPKPRVSIRKSVQIDPS  
 EQKTLANLPWIVEPGQEAKRGINTKYETTIF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001177398

ORF Size: 1353 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.

<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_001177398.2</a>
<b>RefSeq Size:</b>	4728 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	77531
<b>UniProt ID:</b>	<a href="#">Q8BIZ1</a>
<b>Cytogenetics:</b>	10 C2
<b>Gene Summary:</b>	Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]