

## Product datasheet for **MC217185**

### Anks1b (NM\_001177396) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001177396) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anks1b
Synonyms:	AIDA-1b; C030032C09Rik; E530015N03Rik; ENSMUSG00000078431; Gm1555; Gm10937
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC217185 representing NM\_001177396  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGTGGCAATGCCACCCCTCAGCCCCGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTAA  
 AGCGCTTCCCTCTCACCTCTTACAGGACCCAGATGCCCTGTCCAACAGTGGGACAATGGCTGGAAAG  
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAGTGTACAGTTTATGGGAAGC  
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAACTCTGGCCACAGACAGAGAATTCTAC  
 AAGCGATCCAGCTCCTTCCAAGATGAGGCCCATCGGCCATGATGGCTACCATCCACCTCTGTAGCCGA  
 GTGGCTGGATTCCATTGAGCTGGGTGATTACACCAAAGCCTTCTCATCAATGGCTACACGTCCATGGAC  
 CTGTTGAAAAAGATCTGGGAGCTTGGCTTATTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAAC  
 GCATTTTGGCATCTTTGGGAGATAGGCTGCACGACGACCCTCCACAGAAGCCCCCTGGTCCATCACCT  
 CAGGGAACCCAGTGGTAATCACACTCCTCCTCAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCACT  
 GGTGGCTCCCTAGACGTTCCCTCACATTATCATGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACT  
 TTGATGATATCCCGATCAAAGCTGGAGAGGCAGATGGCTCAGTCGTCTGTCTGTGAAATCTGGACCAA  
 TCAGAAGCTGGATTTCCCTTCTCAGCGATCCATCAGGTTATAATACAGGGGACTGGGGAGAACCCTTCC  
 ATCACCTTGCACCTCCTAATGAAGCCACAGCCTCAACTCCCCTCCAGTACTGGCAGCATCATCCGGAAA  
 AACTCATCTTCCAGTCATGTGACTACAAAGCCTTTTATTTAGGTTCTATGCTGATAAAAGAGCTGAGGGG  
 GACAGAATCAACACAGGATGCTTGTGCAAAGATGCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAG  
 AAAGTCCCACATCATCCTTTCCGTCTCATATAAAGGAGTAAATTTATCGATGCGGCAAATAAGAATA  
 TAATCGCCGAACATGAAATTCGTAATATCTCCTGTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGC  
 CTATATCACAAAAGATTTGAAGTCCAACCACCACTACTGTCACGTGTTTACTGCCTTTGATGTGAATTTA  
 GCCTATGAAATCATCCTGACGCTGGGACAGGCATTTGAGGTCGTTACCAACTAGCCCTACAAGCAAGAA  
 AAGGGGGCATTCTCCACACTCCAGAAAGCTTTGAGAACAAGCCCTCGAAACCCATCCCAAAGCCCCG  
 AGTTAGCATTGGAAGTCAGTGCAGATCGACCCTTCTGAGCAAAAGACTCTGGCCAATCTGCCGTGGATT  
 GTGGAGCCGGGGCAAGAAGCCAAGAGGGGCATTAATACCAAGTATGAAACCACGATTTTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177396  
**Insert Size:** 1533 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](mailto: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](#)

<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>	<u>NM_001177396.1</u> , <u>NP_001170867.1</u>
<b>RefSeq Size:</b>	4905 bp
<b>RefSeq ORF:</b>	1533 bp
<b>Locus ID:</b>	77531
<b>Cytogenetics:</b>	10 C2
<b>Gene Summary:</b>	<p>Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) represents use of an alternate promoter and 5' UTR, uses an alternate start codon, and includes an alternate in-frame exon, compared to variant 1. The resulting isoform (3) has a substantially shorter and unique N-terminus and includes an additional internal segment, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>