

Product datasheet for **MC216020**

Anks1b (NM_001177398) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001177398) 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



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Fully Sequenced ORF: >MC216020 representing NM_001177398
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGGCAATGCCACCCCTCAGCCCCGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTAA
 AGCGCTTCCCTCTTACCCTCTTACAGGACCCAGATGCCCTGTCCAACAGTGGGACAATGGCTGGAAAG
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAGTGTACAGTTTATGGGAAGC
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAACTCTGGCCACAGACAGAGAATTCTAC
 AAGCGATCCAGCTCCTTCCAAGATGAGGCCCATCGGCCATGATGGCTACCATCCACCTCTGTAGCCGA
 GTGGCTGGATTCCATTGAGCTGGGTGATTACACCAAAGCCTTCTCATCAATGGCTACACGTCCATGGAC
 CTGTTGAAAAAGATCTGGGAGCTTGAGCTTATTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAAC
 GCATTTTGGCATCTTTGGGAGATAGGCTGCACGACGACCCTCCACAGAAGCCCCCTGGTCCATCACCT
 CAGGCAGTCGTCTGTCTGTGAAATCTGGACCAATCAGAACGCTGGATTTCTTTCTCAGCGATCCATCAG
 GTTCATAATACAGGGGACTGGGGAGAACCCTCCATCACCTTGCGACCTCCTAATGAAGCCACAGCCCAA
 CTCCCCTCCAGTACTGGCAGCATCATCCGAAAAACTCATCTCCAGTCATGTGACTACAAAGCCTTTTA
 TTAGGTTCTATGCTGATAAAAGAGCTGAGGGGGACAGAATCAACACAGGATGCTTGTGCAAAGATGCGG
 GCTAACTGTCAGAAGTCTACAGAGCAAATGAAGAAAGTCCCCACTATCATCTTTCCGTCTCATATAAG
 GAGTAAAAATTCGATGCGGCAAATAAGAATATAATCGCGGAACATGAAATTCGTAATATCTCCTGTGC
 TGCCCAGGACCCAGAAGCCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCCAACCACCTAC
 TGTACGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTGACGCTGGGACAGGCATTTG
 AGGTCGCTTACCAACTAGCCCTACAAGCAAGAAAAGGGGCCATTCTCCACACTCCAGAAAGCTTTGA
 GAACAAGCCCTCGAAACCCATCCCAAAGCCCGAGTTAGCATTCGGAAGTCAGTGCAGATCGACCCTTCT
 GAGCAAAAGACTCTGGCCAATCTGCCGTGGATTGTGGAGCCGGGCAAGAAGCCAAGAGGGGCATTAATA
 CCAAGTATGAAACCACGATTTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177398

Insert Size: 1356 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001177398.1](#), [NP_001170869.1](#)

RefSeq Size: 4728 bp

RefSeq ORF: 1356 bp

Locus ID: 77531

UniProt ID: [Q8BIZ1](#)

Cytogenetics: 10 C2

Gene Summary: Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (5) represents use of an alternate promoter and 5' UTR, uses an alternate start codon, includes an alternate in-frame exon, and lacks an alternate in-frame exon, compared to variant 1. The resulting isoform (5) has a substantially shorter and unique N-terminus and differs at an 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.