

Product datasheet for **MR219879**

Anks1b (NM_001177396) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001177396) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR219879 representing NM_001177396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGTGGCAATGCCACCCTCAGCCCCGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTAA
 AGCGCTTCCCTCTTACCCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGCTGGAAAG
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAGTGTACAGTTTATGGGAAGC
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAACTCTGGCCACAGACAGAGAATTCTAC
 AAGCGATCCAGCTCCTTCCAAAGATGAGGCCCATCGGCCATGATGGCTACCATCCACCTCTGTAGCCGA
 GTGGCTGGATTCCATTGAGCTGGGTGATTACACCAAAGCCTTTCTCATCAATGGCTACACGTCCATGGAC
 CTGTTGAAAAAGATCTGGGAGCTTGGCTTATTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAAC
 GCATTTTGGCATCTTTGGGAGATAGGCTGCACGACGACCCTCCACAGAAGCCCCCTGGTCCATCACCT
 CAGGGAACCCAGTGGTAATCACACTCCTCCTCAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCACT
 GGTGGCTCCCTAGACGTTCCCTCACATTATCATGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACT
 TTGATGATATCCCGATCAAAGCTGGAGAGGCAGATGGCTCAGTCGTCTGTCTGTGAAATCTGGACCAA
 TCAGAAGCTGGATTTCCCTTCTCAGCGATCCATCAGGTTATAATACAGGGGACTGGGAGAACCTTCC
 ATCACCTTGCACCTCCTAATGAAGCCACAGCCTCAACTCCCCTCCAGTACTGGCAGCATCATCCGAAA
 AACTCATCTTCCAGTCATGTGACTACAAAGCCTTTTATTTAGGTTCTATGCTGATAAAAGAGCTGAGGGG
 GACAGAATCAACACAGGATGCTTGTGCAAAGATGCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAG
 AAAGTCCCCTATCATCCTTTCCGCTCATATAAAGGAGTAAATTTATCGATGCGGCAAATAAGAATA
 TAATCGCCGAACATGAAATTCGTAATATCTCCTGTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGC
 CTATATCACAAAAGATTTGAAGTCCAACCACCCTACTGTCACGTGTTTACTGCCTTTGATGTGAATTTA
 GCCTATGAAATCATCCTGACGCTGGGACAGGCATTTGAGGTCGCTTACCAACTAGCCCTACAAGCAAGAA
 AAGGGGGCATTCTCCACACTCCAGAAAGCTTTGAGAACAAAGCCCTCGAAACCCATCCCAAAGCCCCG
 AGTTAGCATTGGAAGTCAGTGCAGATCGACCCTTCTGAGCAAAAGACTCTGGCCAATCTGCCGTGGATT
 GTGGAGCCGGGGCAAGAAGCCAAGAGGGGCATTAATACCAAGTATGAAACCACGATTTTC

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219879 representing NM_001177396
 Red=Cloning site Green=Tags(s)

MMWQCHPSAPDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDSVQFMGS
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD
 LLKKIWELELINVLKISLIGHRKRILASLGDRLHDDPPQKPPRSITLREPSGNHTPPQLSPSLSQSTYTT
 GGSLDVPHIIMQGDARRRRNENYFDDIPRSKLERQMAQSSVCEIWTNQAGFPFSAIHQVHNTGDWGEPS
 ITLRPPNEATASTPVQYQHHPEKLIHQCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMK
 KVPTIILSVSYKGVKFIIDAANKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVTFADFVNL
 AYEIILTLGQAFEVAYQLALQARKGGHSSSTLPESFENKPSKPIPKPRVSIKRSVQIDPSEQTLANLPWI
 VEPGQEAQRGINTKYETTIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

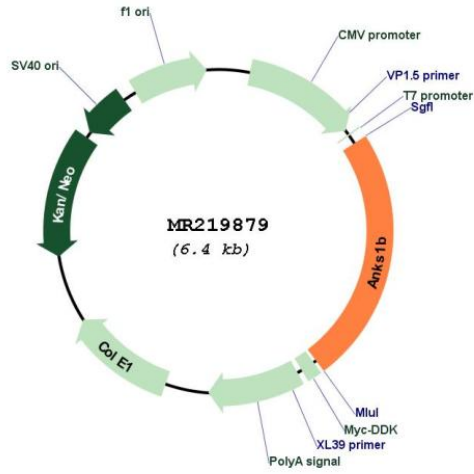
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001177396
 ORF Size: 1530 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 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](#)

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: [NM_001177396.2](#)

RefSeq Size: 4905 bp

RefSeq ORF: 1533 bp

Locus ID: 77531

Cytogenetics: 10 C2

MW: 58.2 kDa

Gene Summary: Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]