

Product datasheet for **MG219879**

Anks1b (NM_001177396) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Anks1b (NM_001177396) 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:

>MG219879 representing NM_001177396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGGCAATGCCACCCTCAGCCCCGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTAA
 AGCGCTTCCCTCTCACCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGCTGGAAAG
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAGTGTACAGTTTATGGGAAGC
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAACTCTGGCCACAGACAGAGAATTCTAC
 AAGCGATCCAGCTCCTTCCAAAGATGAGGCCCATCGGCCATGATGGCTACCATCCACCTCTGTAGCCGA
 GTGGCTGGATTCCATTGAGCTGGGTGATTACACCAAAGCCTTTCTCATCAATGGCTACACGTCCATGGAC
 CTGTTGAAAAAGATCTGGGAGCTTGAGCTTATTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAAC
 GCATTTTGGCATCTTTGGGAGATAGGCTGCACGACGACCCTCCACAGAAGCCCCCTGGTCCATCACCT
 CAGGGAACCCAGTGGTAATCACACTCCTCCTCAGTTGTCTCCATCACTTAGCCAAAGCATTACACCACT
 GGTGGCTCCCTAGACGTTCTCATTATCATGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACT
 TTGATGATATCCCGATCAAAGCTGGAGAGGCAGATGGCTCAGTCGTCTGTCTGTGAAATCTGGACCAA
 TCAGAAGCTGGATTTCTTTCTCAGCGATCCATCAGGTTATAATACAGGGGACTGGGGAGAACCTTCC
 ATCACCTTGCACCTCCTAATGAAGCCACAGCCTCAACTCCCCTCCAGTACTGGCAGCATCATCCGAAA
 AACTCATCTTCCAGTCATGTGACTACAAAGCCTTTTATTTAGGTTCTATGCTGATAAAAGAGCTGAGGGG
 GACAGAATCAACACAGGATGCTTGTGCAAAGATGCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAG
 AAAGTCCCCTACTATCCTTTCCGTCTCATATAAAGGAGTAAATTTATCGATGCGGCAAATAAGAATA
 TAATCGCCGAACATGAAATTCGTAATATCTCCTGTGCTGCCAGGACCCAGAAGCCTCTCAACATTTGC
 CTATATCACAAAAGATTTGAAGTCCAACCACCCTACTGTACAGTGTCTTACTGCCTTTGATGTGAATTTA
 GCCTATGAAATCATCCTGACGCTGGGACAGGCATTTGAGGTCGTTACCAACTAGCCCTACAAGCAAGAA
 AAGGGGGCATTCTCCACTCCAGAAAGCTTTGAGAACAGCCCTCGAAACCCATCCCAAAGCCCCG
 AGTTAGCATTGGAAGTCAGTGCAGATCGACCCTCTGAGCAAAAGACTCTGGCCAATCTGCCGTGGATT
 GTGGAGCCGGGGCAAGAAGCCAAGAGGGGCATTAATACCAAGTATGAAACCACGATTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219879 representing NM_001177396
 Red=Cloning site Green=Tags(s)

MMWQCHPSAPDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDSVQFMGS
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD
 LLKKIWELELINVLIKISLIGHRKRILASLGDRLHDDPPQKPPRSITLREPSGNHTPPQLSPSLSQSTYTT
 GGSLDVPHIIMQGDARRRRNENYFDDIPRSLERQMAQSSVCEIWTNQNAGFPFSAIHQVHNTGDWGEPS
 ITLRPPNEATASTPVQYQHHPKELIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMK
 KVPTIILSVSYKGVKFIDAANKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNL
 AYEIILTLGQAFEVAYQLALQARKGGHSSTLPEFENKPSKPIPKPRVSIKRSVQIDPSEQTLANLPWI
 VEPGQEAQRGINTKYETTIF

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2337_b12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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

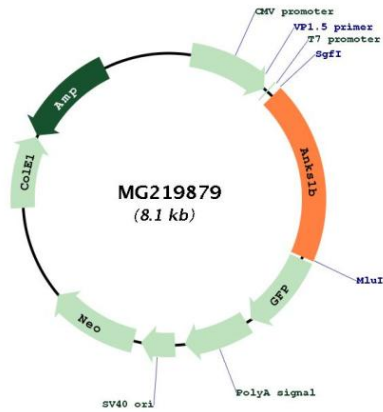
RefSeq ORF: 1533 bp

Locus ID: 77531

Cytogenetics: 10 C2

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

Product images:



Circular map for MG219879