

Product datasheet for MR219871

Anks1b (NM_001177397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001177397) 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
ORF Nucleotide Sequence:	>MR219871 representing NM_001177397 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTAATGGATTTGACAGTGTACAGTTTATGGGAAGCAATGTTATGGAAGATCAGGATTTGTTGGAAA
TTGGAATCCTTAACCTGGCCACAGACAGAGAATTCTACAAGCGATCCAGCTCCTCCAAAGATGAGGCC
CATCGGCCATGATGGCTACCATCCCACCTCTGTAGCCGAGTGGCTGGATTCCATTGAGCTGGGTGATTAC
ACCAAAGCCTTTCTCATCAATGGCTACACGTCCATGGACCTGTTGAAAAAGATCTGGGAGCTTGAGCTTA
TTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAACGCATTTTGGCATCTTTGGGAGATAGGCTGCA
CGACGACCTCCACAGAAGCCCCCTCGGTCCATCACCCCTCAGGGAACCCAGTGGTAAATCACACTCCTCCT
CAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCCTGGTGGCTCCCTAGACGTTCCCTCACATTATCA
TGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACTTTGATGATATCCCGCATCAAAGCTGGAGAG
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TCAACTCCCGTCCAGTACTGGCAGCATCATCCGAAAAACTCATCTTCCAGTCATGTGACTACAAAGCCT
TTATTTAGGTTCTATGCTGATAAAAGAGCTGAGGGGACAGAATCAACACAGGATGCTTGTGCAAAAGAT
GCGGGCTAACTGTCAGAAGTCTACAGAGCAAAATGAAGAAAGTCCCACTATCATCTTTCCGTCTCATAT
AAAGGAGTAAAATTTATCGATGCGGCAAATAAGAAATATAATCGCCGAACATGAAATTCGTAATATCTCCT
GTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCCAACACCA
CTACTGTCACGTGTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTGACGCTGGGACAGGCA
TTTGAGGTCGTTACCAACTAGCCCTACAAGCAAGAAAAGGGGGCATTCTCCACTCCAGAAAAGCT
TTGAGAACAAGCCCTCGAAACCCATCCCAAAGCCCGAGTTAGCATTGGAAGTCAGTGGCTCCGCAGAC
ATCCTGTCCCAACAGGCTGGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219871 representing NM_001177397
 Red=Cloning site Green=Tags(s)

MANGFDSVQFMGSNVMEDQDLLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDY
 TKAFILINGYTSMDLLKKIWELELINVLKISLIGHRKRILASLGDRLHDDPPQKPPRSITLREPSGNHTPP
 QLSPLSQSTYTTGGSLDVPHIIMQGDARRRRNENYFDDIPRSKLERQMAQTGDWGEPSITLRPPNEATA
 STPVQYWQHHPKELIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSY
 KGVKFIIDAANKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEIIILTLGQA
 FEVAYQLALQARKGGHSSTLPESFENKPSKPIKPRVSIRKSVAPQTSCP NRLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

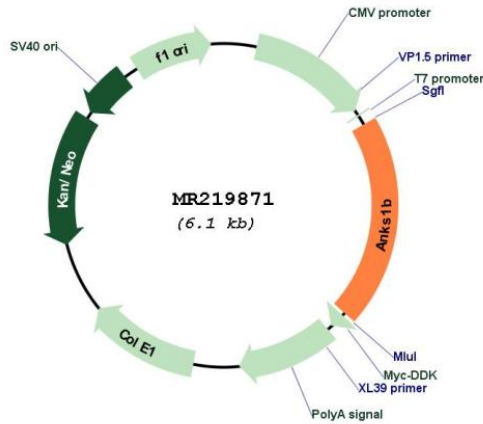
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177397

ORF Size:	1212 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.
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:	<ol style="list-style-type: none">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_001177397.2
RefSeq Size:	7246 bp
RefSeq ORF:	1215 bp
Locus ID:	77531
UniProt ID:	Q8BIZ1
Cytogenetics:	10 C2
MW:	45.9 kDa
Gene Summary:	Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]