

Product datasheet for **MR219884**

Anks1b (NM_181398) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_181398) 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:	>MR219884 representing NM_181398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTGGCAATGCCACCCCTCAGCCCCGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTAA
AGCGCTTCCCTCTTACCCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGCTGGAAGC
CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAGTGTACAGTTATGGGAAGC
AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAACTCTGGCCACAGACAGAGAATTTCTAC
AAGCGATCCAGCTCCTTCCAAAGATGAGGCCCATCGGCCATGATGGCTACCATCCACCTCTGTAGCCGA
GTGGCTGGATTCCATTGAGCTGGGTGATTACACCAAAGCCTTTCTCATCAATGGCTACACGTCCATGGAC
CTGTTGAAAAAGATCTGGGAGCTTGAGCTTATTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAAC
GCATTTTGGCATCTTTGGGAGATAGGCTGCACGACGACCTCCACAGAAGCCCCCTCGGTCCATCACCT
CAGGACAGGGGACTGGGGAGAACCTTCCATCACCTTGCACCTCCTAATGAAGCCACAGCCTCAACTCCC
GTCCAGTACTGGCAGCATCATCCGAAAAACTCATCTCCAGTCATGTGACTACAAAGCCTTTTATTTAG
GTTCTATGCTGATAAAAAGAGCTGAGGGGACAGAATCAACACAGGATGCTTGTCGAAAGATGCGGGCTAA
CTGTGAGAAGTCTACAGAGCAAATGAAGAAAGTCCCACATCATCCTTTCCGTCTCATATAAAGGAGTA
AAATTTATCGATGCGGCAATAAGAATATAATCGCCGAACATGAAATTCGTAATATCTCCTGTGCTGCC
AGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCCAACCACCACTACTGTCA
CGTGTACTGCTTTGATGTGAATTTAGCCTATGAAATCATCCTGACGCTGGGACAGGCATTTGAGGTC
GCTTACCAACTAGCCCTACAAGCAAGAAAAGGGGGCCATTCTCCACACTCCAGAAAGCTTTGAGAACA
AGCCCTCGAAACCATCCAAAGCCCCGAGTTAGCATTGGAAGTCAGTGCAGATCGACCCTTCTGAGCA
AAAGACTCTGGCCAATCTGCCGTGGATTGTGGAGCCGGGCAAGAAGCCAAGAGGGGCATTAATACCAAG
TATGAAACCACGATTTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR219884 representing NM_181398
 Red=Cloning site Green=Tags(s)

MMWQCHPSAPDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDSVQFMGS
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD
 LLKKIWELELINVLKISLIGHKRILASLGDRDHDDPPQKPPRSITLRTGDWGEPSITLRPPNEASTP
 VQYWQHHPKELIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSYKGV
 KFIDAANKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEIIILTLGQAFEV
 AYQLALQARKGGHSSTLPESFENKPSKPIPKPRVSIKRSVQIDPSEQTLANLPWIVEPGQEAARGINTK
 YETTIF

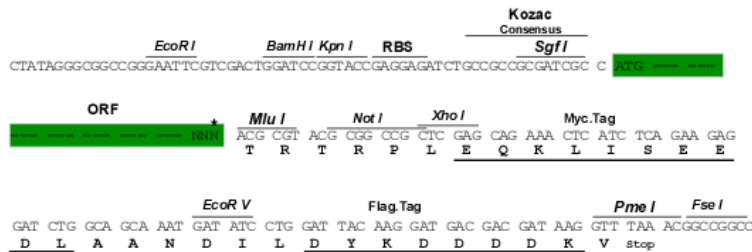
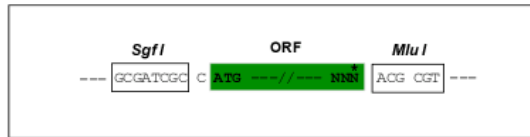
TRTRP**LEQKLISEEDLA**NDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

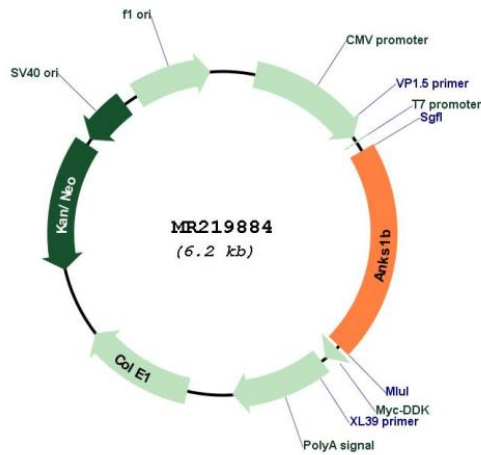
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_181398

ORF Size:	1278 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_181398.4
RefSeq Size:	4653 bp
RefSeq ORF:	1281 bp
Locus ID:	77531
UniProt ID:	Q8BIZ1
Cytogenetics:	10 C2
MW:	48.8 kDa
Gene Summary:	Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]