

Product datasheet for RN217566

Anks1b (NM_001271371) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001271371) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Anks1b
Synonyms:	AIDA-1; EB-1; RGD1565556
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217566 representing NM_001271371 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAGGACCAGGAGCTGCTAGAGGCTGCTCGTACTGGCAATGTGGCTCTGGTCGAGAACTCCTAT
CTGGCAGGAAAGGAGGGATCCTGGGTGGTGGATCCGGACCTCTGCCCTGTCTAATCTGCTAAGCATCTG
GCGAGGTCCCAAGTGAAGTGCACAGACAGTTCGGGTTACACCGCTTTCACCACGCAGCCTTAAATGGA
CATAAGGACATAGTTCTCAAACACTTCAATTCGAGGCGTCCACCAATGTCGCAGACAACAAAGGTACT
TCCCCATTACCTGGCTGCCTGGAAGGAGACGTGGAGATTGTGAAGATTCTTATCCATCACGGGCCTTC
ACATTCAGAGTCAATGAACAGAAACAACGAGAACGAAACTGCCCTCCACTGTGCAGCGCAATACGGACAC
TCAGAAGTAGTGGCTGTTCTCCTAGAGGAGCTCACCGATCCCACCATTAGGAACAGCAAGCTCGAAACAC
CGCTGGACTTGGCAGCGCTCTACGGAAGGCTGAGGTTGGTGAAGATGATCATCAGCGCGCACCCAACTT
AATGAGCTGTAAACACGCGGAAGCACACGCCGCTCCACCTCGCGGCCCGCAATGGTCAAGGCCGTGGTG
CAGGTGCTGCTGGAGGCGGGATGGACGTGAGCTGTCAAACAGAGAAGGGAGTGTCTTACGAAGCCG
CGTTGTTGGGAAGGTGGATGTGGTGCAGTTCGTTAGAAACAGGAATTGATGCCAACATAAAGGACAG
CCTAGGTAGAACCGTCTTAGACATTCTGAAAGAGCACCCGCTCAGAAAGTCTCTCCAGATTGCAACGCTC
CTGCAAGACTATTTGGAAGGCGTGGGAAGTCCGTGGTCTCAGGAAGAGCATGCTCAGGAAGACACAG
CACAAGAGACACGCCCTTTCGTCTCCTGCCAGTCTCCTTCTCAAAGACTAAAAGTGAACTGTCACTGG
AGAACTATCGAACTCCTGGATGAAATAAACTCTGTCAAGAAAAGGATTATTCCTTGAAGATCTGTGC
CATACAATCTCAGACCACTACTTAGATAATTTGAGCAAGATCTCAGAGGAAGAATTGGGAAAAATGGAA
GCCAGAGTGAAGAACTCATCTACAATAAATTTGTACCAGGAGAAGTGAAGACGAAGAGGAGGATCC
AAACTCTTGTGGACCCACGGGACTTTGGGAAGCGCTAACTCCTTGTAAACGGATGTAGGAACCTTGGCTTT
CCCATGCTCGCACAGGAGTCTTATCCAAAGAAGAGGAATTACCCATGGAATTTGTACCATCTGCTTCTC
TGGACACATTCCTTTCAGAAAATGAGAATTTCTTTGTGAACTCGTGGACACAGCTGTTACAAAAGAGCC
CTGTTCTTAGAAATCGCAAGGGCACCTTCTCCGAGAAGTATAATGCCTCTGAGGTAGCAATTACTGCT
CCAGGAAGTGGTACCATAGAAACAGCTCTACAGGCCAACACCTGACTGCTCACCTCCATCCCCGACA



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CTGCCCTAAAAATATCGTAAAAGTTATCCGACCTCAGCCAAAACAACGAACATCTATTGTGTCGTCTCT
 GGATTTCCAGCGAATGAATCATAACCAAGAATACTTTGAAATCAGCACATCTACAGGCTGTACCAGCTTT
 ACTTCGAGCCCTCCAGTGAGCCACCCACCTCCTCTGTGGAAACCACAGAAATCAAGAACGAGGGAGCTG
 AACACACAGATGACCTCTCTCAGCAGGAAGATGACGAACCCCAAAAGAGTATGATGCTGGGCAATTCGC
 AGGCCTTCTCCACGGTCTCTCCAGCCTGTGAGGCTCCAGAAAATCCGTTTACCTGTATGGGAAAAGA
 AATCAAGGTGAAGACGGACAAGAGGAAGCCAGCTTGCCCAACAGTCCCTTTCGCTTCAAACAGACTCCAA
 TAGAAAATAACCCAGAGCCTTCAGTGAAGAAAATTAACCCAAAGTGGTCAGTAGAACGATTTCCACAA
 AAGAAGCCACCAACTTGAGAACCATACCATCGTTGGCACAAAGTGTCCAGGGGTGGATCCCGCAACGGC
 GACCAATGGGGTGTGAATCCAGGGGCTTCGTGGAGAGAGCGTGAAGTCTAGGGAGAATAAGGTCATTGC
 CTAAGGCCTGATCGACATGCATTTATCCAAAAATGTCTCCAAGTCCGATTCCGATCTTATTGCGTACCC
 TTCCAAGGACAAAGCGAGAGTTAACTGGAGCAAAATCGTCAACTGCAGAGCGCAGTTCCAAAGATAATTCT
 GAAAGAACGCCTTCTTTCACATCTGAATGGGAAGAAAATCGACAAAATAATGAACTCGATTGACGTTGGAA
 TCAACAGCGAACTGAAGGGATGAACGGACCCAGATGCCCTGTCCAAACAGTAGGACAATGGTTGGAAAG
 CATTGGGCTACCTCAGTACGAGAACCACCTGACGGCTAATGGATTGACAATGTACAGTTTATGGGAAGC
 AATGTTATGGAAGATCAGGATTTGTTGAAATTTGGAATCCTTAACTCTGGTCACAGACAAAAGAAATCTAC
 AGGCGATCCAGCTGCTTCCAAAGATGAGGCCCATCGGCCACGATGGCTACCATCCACCTCTGTAGCTGA
 GTGGCTGGATTCCATCGAGCTGGGCGACTACACGAAAGCCTTTCTCATCAATGGCTACACGTCGATGGAC
 CTGTTGAAAAAGATCTGGGAGCTTGAACCTATTAACGTTTTAAAAATCAGTTTGATTGGCCACAGGAAGC
 GCATTTTGGCATCTCTGGGAGACAGACTGCACGAGGACCTCCACAGAAGCCCCCTCGGTCCATCACCTT
 CAGGGAACCCAGTGGTAATCACACTCCTCCTCAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCACT
 GGTGGCTCCCTAGACGTCCTCATTATCATGCAGGGCGATGCAAGGAGGAGAAGAAAATGAAAATCTACT
 TTGATGATATCCCGATCAAAGCTGGAGAGACAGATGGCTCAGACAGGGGACTGGGAGAACCTTCCAT
 CACCTTGGCAGCTCCTAATGAAGCCACAGCCTCAACTCCAGTCCAGTACTGGCAGCATCACCCAGAAAAG
 CTCATCTTCCAGTCGTGACTACAAAGCCTTTTATTTAGGTTCTATGCTGATAAAAGAGCTGAGGGGAA
 CGGAATCAACACAGGACGCTTGCCAAAGATGCGGGCTAACTGTGAGAAGTCTACGGAGCAAATGAAGAA
 AGTCCCCACTATCATTCTTTCTGTCTCATATAAAGGAGTCAAATTTATTGATGCGGCAAATAAGAACATA
 ATTGCCGAGCATGAAATTCGTAATATCTTGTGCTGCCAGGACCCAGAAGACCTCTCAACCTTTGCTT
 ATATCACAAAAGATCTGAAGTCCAACCACCTACTGTACAGTGTACTGCCTTTGATGTGAATTTAGC
 CTATGAAATCATCCTAACGCTGGGGCAGGCATTTGAGGTCGTTACCAGCTAGCTCTACAAGCAAGAAAA
 GGGGGCCATTCTCCACGCTTCCGGAGAGCTTTGAGAACAAGCCCTCGAAACCCATCCCAAAGCCCCGAG
 TTAGCATTGCAAGTCAGTGCAGATCGACCTTCTGAGCAAAGACTCTGGCCAATCTGCCGTGGATTGT
 GGAGCCGGGGCAAGAAGCAAGAGGGGCATTAATACCAAGTATGAAACCAGATTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001271371

Insert Size:

3771 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001271371.1, NP_001258300.1

RefSeq Size: 5579 bp

RefSeq ORF: 3771 bp

Locus ID: 314721

Cytogenetics: 7q13

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