

Product datasheet for **RC232785**

ANKS1B (NM_001204068) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKS1B (NM_001204068) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKS1B
Synonyms:	AIDA; AIDA-1; ANKS2; cajalin-2; EB-1; EB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC232785 representing NM_001204068
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGGCAATGCCACCTCTCAGCCAGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTTA
 AACGCTTCCCTCTTCATCCTTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGTTGGAAG
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAATGTGCAATTTATGGGAAGC
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAATTCTGGGCACAGACAAAGAATTCTAC
 AGGCAATCCAGCTCCTTCCAAAGATGAGACCCATTGGGCATGATGGCTACCATCCACCTCTGTAGCTGA
 GTGGCTGGATTCCATTGAACTGGGCGACTACACCAAAGCCTTTCTAATTAATGGCTACACTTCGATGGAC
 CTGTTGAAAAAATCTGGGAGTTGAACTTATTAATGTTTTAAAAATCAATTTGATTGGCCACAGGAAAC
 GTATTTTGGCATCTCTGGGAGACAGGCTGCACGACGATCCCCACAGAAGCCCCCTGGTCCATCACCT
 CAGGGAACCCAGTGGTAATCACACTCCTCCTCAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCACT
 GGTGGCTCCCTAGACGTTCTCATTATCATGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACT
 TTGATGATATCCCGATCAAACTGGAGAGGCAGATGGCTCAGACAGGAGACTGGGAGAACCTTCCAT
 TACCTTGGCAGCTCCGAATGAAGCCACAGCCTCTACCCCGGTACAGTACTGGCAGCATCACCCAGAAAAG
 CTTATCTTCCAGTCGTGTGATTACAAAGCTTTTTATTTAGTTCTATGCTGATAAAAGAGCTTAGGGGGA
 CAGAATCAACCAAGATGCTTGTGCAAAAATGCGGGCTAACTGTCAGAAGTCTACAGAGCAATGAAGAA
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 ATTGCTGAGCATGAAATTCGTAATATCTCTGTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGCCT
 ATATCAAAAAGATTTGAAGTCTAATCACCACTACTGTCATGTGTTTACTGCCTTTGATGTGAATTTGCT
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 GGGGGACTCTCCACACTCCAGAAAGCTTTGAAAACAAACCTCCAAACCCATCCCCAAGCCCCGCG
 TTAGCATTGCAAGTCCGTGCCTTTCTGTTTTAAAGCAGATCGACCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232785 representing NM_001204068
 Red=Cloning site Green=Tags(s)

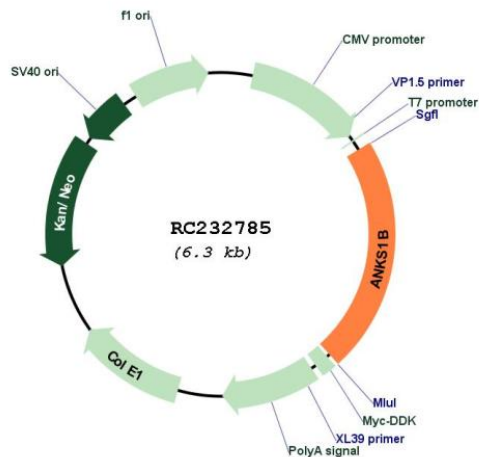
MMWQCHLSAQDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDNVQFMGS
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD
 LLKKIWEVELINVLKINLIGHKRILASLDRLHDDPPQKPPRSITLREPSGNHTPPQLSPSLSQSTYTT
 GGSLDVPHIIMQGDARRRRNENYFDDIPRSKLERQMAQTGDWGEPSITLRPPNEATASTPVQYWHHPEK
 LIFQSCDYKAFYLGSMLEKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSYKGVKFIDATNKNI
 IAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFADFVNLAYEIIILTLGQAFEVAYQLALQARK
 GGHSSTLPESFENKPSKPIPKPRVSIRKSVPFCKADRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


ACCN: NM_001204068

ORF Size: 1380 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:

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_001204068.2](#)

RefSeq Size: 3639 bp

RefSeq ORF: 1383 bp

Locus ID: 56899

UniProt ID: [Q7Z6G8](#)

Cytogenetics: 12q23.1

MW: 52.7 kDa

Gene Summary: This gene encodes a multi-domain protein that is predominantly expressed in brain and testis. This protein interacts with amyloid beta protein precursor (AbetaPP) and may have a role in normal brain development, and in the pathogenesis of Alzheimer's disease. Expression of this gene has been shown to be elevated in patients with pre-B cell acute lymphocytic leukemia associated with t(1;19) translocation. Alternatively spliced transcript variants encoding different isoforms (some with different subcellular localization, PMID:15004329) have been described for this gene. [provided by RefSeq, Aug 2011]