

## Product datasheet for RC232702

### ANKS1B (NM\_001204070) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANKS1B (NM_001204070) 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
ORF Nucleotide Sequence:	>RC232702 representing NM_001204070 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATGTGGCAATGCCACCTCTCAGCCCAGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTTA  
AACGCTTCCCTCTTCATCCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGTTGGAAGC  
CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAATGTGCAGTTTATGGGAAGC  
AATGTTATGGAAGATCAGGATTTGTTGGAATTGGAAATCCTAATTCTGGGCACAGACAAAGAATTCTAC  
AGGCAATCCAGCTCCTTCCAAAGATGAGACCCATTGGGCATGATGGCTACCATCCACCTCTGTAGCTGA  
GTGGCTGGATTCCATTGAACTGGGCGACTACACCAAAGCCTTTCTAATTAATGGTACACTTCGATGGAC  
CTGTTGAAAAAATCTGGGAGGTTGAACTATTAATGTTTTAAAAATCAATTTGATTGGCCACAGGAAAC  
GTATTTTGGCATCTCTGGGAGACAGGCTGCACGACGATCCCCACAGAAGCCCCCTCGGTCCATCACCT  
CAGGACAGGAGACTGGGAGAACCTTCCATTACCTTGCACCTCCGAATGAAGCCACAGCCTCTACCCCG  
GTACAGTACTGGCAGCATCACCCAGAAAAGCTTATCTCCAGTCGTGTGATTACAAAGCTTTTTATTTAG  
GTTCTATGCTGATAAAAGAGCTTAGGGGACAGAATCAACCAAGATGCTTGTGCAAAAAATGCGGGCTAA  
CTGTCAAGTCTACAGACAAAATGAAGAAGGTCCTACTATTATTCTTTCTGTCTCATATAAAGGAGTC  
AAATTTATTGATGCAACAATAAGAACATAAATGCTGAGCATGAAATTCGTAATATCTCCTGTGCTGCC  
AGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCTAATCACCCTACTGTCA  
TGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCTAACCCTGGGACAGGCATTGGAAGTC  
GCTTACCAGTACTACTACAAGCAAGAAAAGGGGACACTCCTCCACACTCCAGAAAGCTTTGAAAACA  
AACCTCCAAACCATCCCCAAGCCCCGCTTAGCATTGCAAGTCCGTGCAGATCGACCCATCTGAGCA  
AAAGACTCTGGCCAATCTACCGTGGATTGTGGAGCCGGGCAAGAAGCCAAGAGGGGCATTAATACCAAG  
TATGAAACCACGATTTTC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC232702 representing NM\_001204070  
 Red=Cloning site Green=Tags(s)

MMWQCHLSAQDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDNVQFMGS  
 NYMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD  
 LLKKIWEVELINVLKINLIGHKRILASLGDRDHDDPPQKPPRSITLRTGDWGEPSITLRPPNEASTP  
 VQYWQHHPKELIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSYKGV  
 KFIDATNKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEIIILTLGQAFEV  
 AYQLALQARKGGHSSTLPESFENKPSKPIPKPRVSIRKSVQIDPSEQTLANLPWIVEPGQEAARGINTK  
 YETTIF

TRTRP**LEQKLISEEDLA**NDILDYKDDDDKV

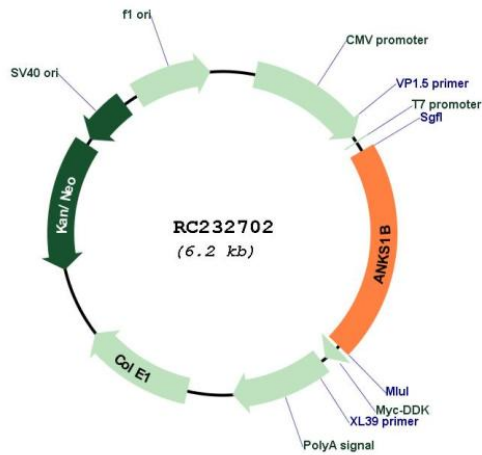
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001204070

<b>ORF Size:</b>	1278 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001204070.2</a>
<b>RefSeq Size:</b>	3443 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	56899
<b>UniProt ID:</b>	<a href="#">Q7Z6G8</a>
<b>Cytogenetics:</b>	12q23.1
<b>MW:</b>	48.9 kDa
<b>Gene Summary:</b>	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]