

## Product datasheet for **RG232785**

### **ANKS1B (NM\_001204068) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKS1B (NM_001204068) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKS1B
Synonyms:	AIDA; AIDA-1; ANKS2; cajalin-2; EB-1; EB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG232785 representing NM\_001204068  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGTGGCAATGCCACCTCTCAGCCAGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTTA  
 AACGCTTCCCTCTTCATCCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGTTGGAAAG  
 CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAATGTGCAGTTTATGGGAAGC  
 AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAATTCTGGGCACAGACAAAGAATTCTAC  
 AGGCAATCCAGCTCCTTCCAAAGATGAGACCCATTGGGCATGATGGCTACCATCCACCTCTGTAGCTGA  
 GTGGCTGGATTCCATTGAACTGGGCGACTACACCAAAGCCTTTCTAATTAATGGCTACACTTCGATGGAC  
 CTGTTGAAAAAATCTGGGAGGTTGAACTTATTAATGTTTTAAAAATCAATTTGATTGGCCACAGGAAAC  
 GTATTTTGGCATCTCTGGGAGACAGGCTGCACGACGATCCCCACAGAAGCCCCCTGGTCCATCACCT  
 CAGGGAACCCAGTGGTAATCACACTCCTCCTCAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCACT  
 GGTGGCTCCCTAGACGTTCTCATTATCATGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACT  
 TTGATGATATCCCGATCAAACTGGAGAGGCAGATGGCTCAGACAGGAGACTGGGAGAACCTTCCAT  
 TACCTTGGCAGCTCCGAATGAAGCCACAGCCTCTACCCCGGTACAGTACTGGCAGCATCACCCAGAAAAG  
 CTTATCTTCCAGTCGTGTGATTACAAAGCTTTTTATTTAGGTTCTATGCTGATAAAAGAGCTTAGGGGA  
 CAGAATCAACCAAGATGCTTGTGCAAAAATGCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAGAA  
 GGTCCCTACTATTCTTTCTGTCTCATATAAAGGAGTCAAATTTATTGATGCAACAAATAAGAACATA  
 ATTGCTGAGCATGAAATTCGTAATATCTCTGTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGCC  
 ATATCAAAAAGATTTGAAGTCTAATCACCACTACTGTCATGTGTTTACTGCCTTTGATGTGAATTTAGC  
 CTATGAAATCATCTAACCTGGGACAGGCAATCGAAGTCGCTTACCAGCTAGCACTACAAGCAAGAAAA  
 GGGGACACTCCTCCACACTCCAGAAAGCTTTGAAAACAAACCTCCAAACCCATCCCCAAGCCCCGCG  
 TTAGCATTGCAAGTCCGTGCCTTTCTGTTTTAAAGCAGATCGACCCATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG232785 representing NM\_001204068  
 Red=Cloning site Green=Tags(s)

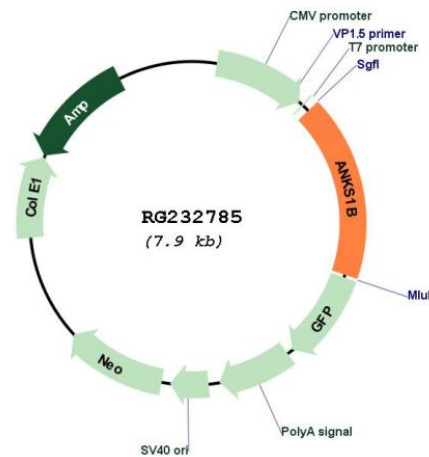
MMWQCHLSAQDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDNVQFMGS  
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD  
 LLKKIWEVELINVLKINLIGHRRKILASLGDRLHDDPPQKPPRSITLREPSGNHTPPQLSPSLSQSTYTT  
 GGSLDVPHIIMQGDARRRRNENYFDDIPRSKLERQMAQTGDWGEPSITLRPPNEATASTPVQYWHHPEK  
 LIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMKKVPPTIILSVSYKGVKFI DATNKNI  
 IAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVLNLAYEIIILTLGQAFEVAYQLALQARK  
 GGHSSTLPESFENKPSKPIPKPRVSIKSVPFCKADRP I

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**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.

<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_001204068.2</a>
<b>RefSeq Size:</b>	3639 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	56899
<b>UniProt ID:</b>	<a href="#">Q7Z6G8</a>
<b>Cytogenetics:</b>	12q23.1
<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]