

## Product datasheet for **SC329699**

### **ANKS1B (NM\_001204079) Human Untagged Clone**

#### Product data:

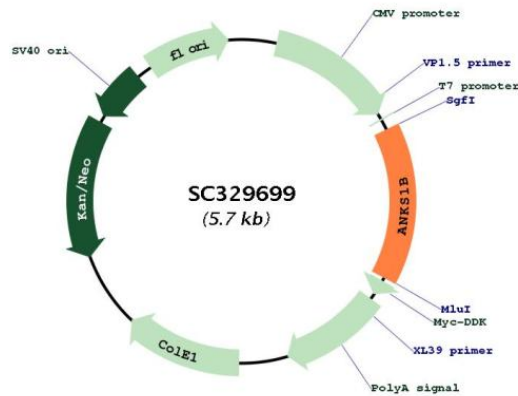
**Product Type:** Expression Plasmids  
**Product Name:** ANKS1B (NM\_001204079) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ANKS1B  
**Synonyms:** AIDA; AIDA-1; ANKS2; cajalin-2; EB-1; EB1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329699 representing NM\_001204079.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACTTTGATGATATCCCCGATCAAACTGGAG
AGGCAGATGGCTCAGCAGTCGTCTGTCTGTGAAATATGGACGAATCAGAACGCAGGATTTCTTTCTCA
GCGATCCATCAGGTTTATAATACAGGAGACTGGGAGAACCTTCCATTACCTTGCACCTCCGAATGAA
GCCACAGCCTCTACCCCGGTACAGTACTGGCAGCATCACCCAGAAAAGCTTATCTTCCAGTCGTGTGAT
TACAAAGCTTTTTATTTAGGTTCTATGCTGATAAAAGAGCTTAGGGGGACAGAATCAACCCAAGATGCT
TGTGCAAAAATGCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAGAAGTCCCTACTATTATTCTT
TCTGTCTCATATAAAGGAGTCAAATTTATTGATGCAACAATAAGAACATAAATTGCTGAGCATGAAATT
CGTAATATCTCCTGTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTG
AAGTCTAATCACCCTACTGTCATGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTA
ACCCTGGGACAGGCATTCGAAGTCGCTTACCAGCTAGCACTACAAGCAAGAAAAGGGGGACACTCCTCC
ACACTTCCAGAAAAGCTTTGAAAACAAACCCTCAAACCCATCCCCAAGCCCCGCGTTAGCATTGCAAG
TCCGTGATCGACCCATCTGAGCAAAAGACTCTGGCCAATCTACCGTGGATTGTGGAGCCGGGCCAAGAA
GCCAAGAGGGGCATTAATACCAAGTATGAAACCACGATTTTCTGA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001204079

**Insert Size:** 873 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).

**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\\_001204079.1](#)

RefSeq Size: 3199 bp

RefSeq ORF: 873 bp

Locus ID: 56899

UniProt ID: [Q7Z6G8](#)

Cytogenetics: 12q23.1

MW: 32.9 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]  
Transcript Variant: This variant (10) differs in the 5' UTR and coding region, in the 3' UTR and coding region, and contains an alternate in-frame exon compared to variant 1. The resulting isoform (j) has a shorter N-terminus, a longer and distinct C-terminus, and an additional segment compared to isoform a.