

Product datasheet for **SC329692**

ANKS1B (NM_001204066) Human Untagged Clone

Product data:

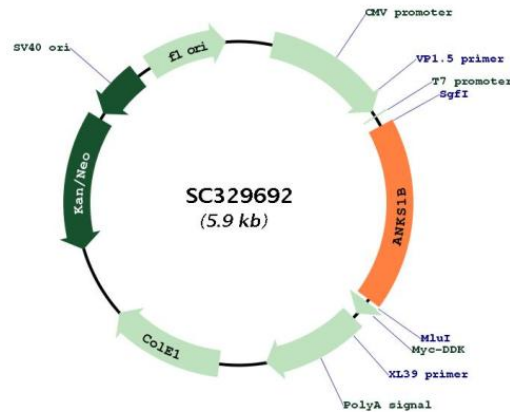
Product Type: Expression Plasmids
Product Name: ANKS1B (NM_001204066) Human Untagged Clone
Tag: Tag Free
Symbol: ANKS1B
Synonyms: AIDA; AIDA-1; ANKS2; cajalin-2; EB-1; EB1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329692 representing NM_001204066.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTAATGGATTTGACAATGTGCAGTTTATGGGAAGCAATGTTATGGAAGATCAGGATTTGTTGGAA
ATTGGAATCCTTAATTCTGGGCACAGACAAAGAATTCTACAGGCAATCCAGCTCCTTCCAAAGATGAGA
CCCATTGGGCATGATGGCTACCATCCACCTCTGTAGCTGAGTGGCTGGATTCCATTGAACTGGGCGAC
TACACCAAAGCCTTTCTAATTAATGGCTACACTTCGATGGACCTGTTGAAAAAATCTGGGAGGTTGAA
CTTATTAATCAGTCGTCTGTCTGTGAAATATGGACGAATCAGAACGCAGGATTTCTTTCTCAGCGATC
CATCAGGTTTATAATACAGGAGACTGGGAGAACCTTCCATTACCTTGCACCTCCGAATGAAGCCACA
GCCTCTACCCCGGTACAGTACTGGCAGCATCACCCAGAAAAGCTTATCTCCAGTCGTGTGATTACAAA
GCTTTTTATTTAGGTTCTATGCTGATAAAAAGAGCTTAGGGGGACAGAATCAACCCAAGATGCTTGTGCA
AAAATGCGGGCTAACTGTGAGAAGTCTACAGAGCAAATGAAGAAGGTCCCTACTATTATTCTTTCTGTC
TCATATAAAGGAGTCAAATTTATTGATGCAACAAATAAGAACATAAATGCTGAGCATGAAATTCGTAAT
ATCTCCTGTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCT
AATCACCCTACTGTGTCATGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTAACCTG
GGACAGGCATTCGAAGTCGTTACCAGCTAGCACTACAAGCAAGAAAAGGGGGACTCCTCCACACTT
CCAGAAAAGCTTTGAAAACAAACCCTCCAAACCCATCCCAAGCCCGGTTAGCATTGCAAGTCCGTG
ATCGACCCATCTGAGCAAAAGACTCTGGCCAATCTACCTGGATTGTGGAGCCGGCCAAGAAGCCAAG
AGGGGCATTAATACCAAGTATGAAACCACGATTTCTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001204066

Insert Size: 1074 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_001204066.1](#)

RefSeq Size: 3063 bp

RefSeq ORF: 1074 bp

Locus ID: 56899

UniProt ID: [Q7Z6G8](#)

Cytogenetics: 12q23.1

MW: 40.3 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 (5) differs in the 5' UTR and coding region, in the 3' UTR and coding region, lacks an alternate in-frame segment, and contains an alternate in-frame exon compared to variant 1. The resulting isoform (e) has a shorter N-terminus, a longer and distinct C-terminus, a missing segment, and an additional segment compared to isoform a.