

Product datasheet for SC318566

ANKS1B (NM_152788) Human Untagged Clone

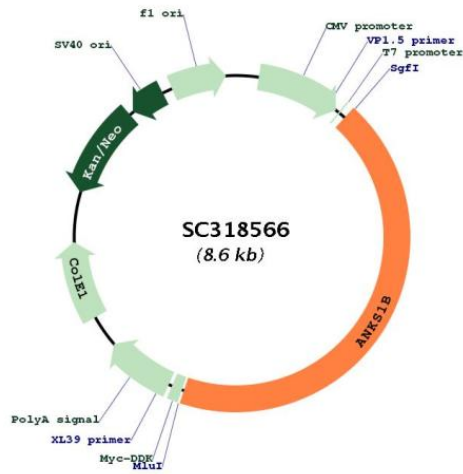
Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ANKS1B (NM_152788) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ANKS1B |
| Synonyms: | AIDA; AIDA-1; ANKS2; cajalin-2; EB-1; EB1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC318566 representing NM_152788. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GAGGTAGCAGTTACTACTCCAGGAAGTGTAAACATAGAAACAGCTCAACAGGCCAACACCTGATTGT
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Plasmid Map:


ACCN: NM_152788

Insert Size: 3747 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_152788.4](#)

RefSeq Size: 4971 bp

RefSeq ORF: 3747 bp

Locus ID: 56899

UniProt ID: [Q7Z6G8](#)

Cytogenetics: 12q23.1

Domains: SAM, PID

MW: 138.1 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 (1) encodes isoform a (also known as AIDA-1b).