

## Product datasheet for **SC326322**

### AHI1 (NM\_001134832) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AHI1 (NM_001134832) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHI1
Synonyms:	AHI-1; dj71N10.1; JBTS3; ORF1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001134832, the custom clone sequence may differ by one or more nucleotides

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ATGCCTACAGCTGAGAGTGAAGCAAAAGTAAAAACCAAAGTTCGCTTTGAAGAATTGCTT
AAGACCCACAGTGATCTAATGCGTGAAAAGAAAAAACTGAAGAAAAAACTTGTCAGGTCT
GAAGAAAAATCTCACCTGACACTATTAGAAGCAATCTTCACTATATGAAAGAACTACA
AGTGATGATCCCAGACTATTAGAAGCAATCTTCCCATATTAAGAAACTACAAGTGAT
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TTGAGGAACACACAGTTAGCAACTGAAAATCCTAATGGTGATGCTAGTGTAGAGGAAGAC
AAACAAGGAAAGCCAAATAAAAAGGTGATAAAGACGGTGCCCCAGTTGACTACACAAGAC
CTGAAACCGGAAACTCCTGAGAATAAGGTTGATTCTACACACCAGAAAACACATACAAAAG
CCACAGCCAGGCGTTGATCATCAGAAAAGTGAGAAGGCAATGAGGGAAGAGAAGAGACT
GATTTAGAAGAGGATGAAGAATTGATGCAAGCATATCAGTGCCATGTAAGTGAAGAAATG
GCAAAGGAGATTAAGAGGAAAATAAGAAAGAACTGAAAGAACAGTTGACTTACTTTCCC
TCAGATACTTTATTCCATGATGACAAAATAAGCAGTGAAAAAAGGAAAAAGAAAAAGGAA
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CTTCTGGGAGCCAATGGAATGCAACATCAACTCAAACTTCGCTTGCAAGCTATATTAC
CCACCTACTAAGCCTCGATCCCCATTAAGTGTGTTGAGGCATTTGAATGGTGGTCAAAA
TGTCCAAGAAATCATTACCCATCAACACTGTACGTAAGTAACTGTAAGAGGACTGAAAGTTCCA
GACTGTATAAAGCCATCTTACCCTCTATGATGGCTCTTCAGGAGGAAAAAGGTAACCA
GTGCATTGTGAACGTCACCATGAGTCAAGCTCAGTAGACACAGAACCTGGATTAGAAGAG

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TCAAAGGAAGTAATAAAGTGAAAACGACTCCCTGGGCAGGCTTGCCGTATCCCAAACAAA  
CACCTCTTCTCACTAAATGCAGGAGAACGAGGATGTTTTGTCTTGATTTCTCCCACAAT  
GGAAGAATATTAGCAGCAGCTTGTGCCAGCCGGGATGGATATCCAATTATTTTATATGAA  
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TCCTGGTCAAAAGATGATCACTACATCCTTACTTCATCATCTGATGGCACTGCCAGGATA  
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ATGGTTGCATTCTGTGCATTTGGGCAAAATGAGCCAATCTTCTGTATATTTACGATTTT  
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TTTCAGATTGATGAATTTGTCCACACTGAAAGTTCTTCAACGAAGATGCAGCTAGTAAAA  
CAGAGGCTTGAACCTGTCACAGAGGTGATACGTTCTGTGCTGCAAAAAGTCAACAAAAAT  
CTCTCATTACTTCAACCACAGCAGTTTCTCACACAGTCTAAGTTAAAGCAGTCAAAC  
ATGCTGACCGCTCAAGAGATTCTACATCAGTTTGGTTTCACTCAGACCGACAGTCACTTT  
GCTGAATCAACACATGTATATTATGGTGGAAAAGCAC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001134832

**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\\_001134832.1](#), [NP\\_001128304.1](#)

**RefSeq Size:**

3674 bp

RefSeq ORF: 3162 bp

Locus ID: 54806

UniProt ID: [Q8N157](#)

Cytogenetics: 6q23.3

**Gene Summary:** This gene is apparently required for both cerebellar and cortical development in humans. This gene mutations cause specific forms of Joubert syndrome-related disorders. Joubert syndrome (JS) is a recessively inherited developmental brain disorder with several identified causative chromosomal loci. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]  
Transcript Variant: This variant (4) differs in the 5' UTR and the 3' coding region, compared to variant 1. The resulting isoform (b) contains a distinct C-terminus, compared to isoform a.