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Product datasheet for SC326354

AHI1 (NM_001134830) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHI1 (NM_001134830) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHI1
Synonyms:	AHI-1; dJ71N10.1; JBTS3; ORF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC326354 representing NM_001134830.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTACAGCTGAGAGTGAAGCAAAAGTAAAAACCAAAGTTCGCTTTGAAGAATTGCTTAAGACCCAC
AGTGATCTAATGCGTGAAAAGAAAAAACTGAAGAAAAAACTTGTCAGGTCTGAAGAAAACATCTCACCT
GACACTATTAGAAGCAATCTTCACTATATGAAAGAAACTACAAGTGATGATCCCGACACTATTAGAAGC
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CAAGACCTGAAACCGGAAACTCCTGAGAATAAGGTTGATTCTACACACCAGAAAACACATACAAAGCCA
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GATGAAGAATTGATGCAAGCATATCAGTGCCATGTAACTGAAGAAATGGCAAAGGAGATTAAGAGGAAA
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GCCAATGGAAATGCAAACATCAACTCAAAACTTCGCTTGCAGCTATATTACCCACCTACTAAGCCTCGA

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TCCCCATTAAGTGTTGTTGAGGCATTTGAATGGTGGTCAAAATGTCCAAGAAATCATTACCCATCAACA
CTGTACGTAACTGTAAGAGGACTGAAAGTTCCAGACTGTATAAAGCCATCTTACCGCTCTATGATGGCT
CTTCAGGAGGAAAAAGGTAAACCAGTGCATTGTGAACGTCACCATGAGTCAAGCTCAGTAGACACAGAA
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TTTGAAAATATGGTTGCATTCTGTGCATTTGGGCAAAATGAGCCAATTCTTCTGTATATTTACGATTTC
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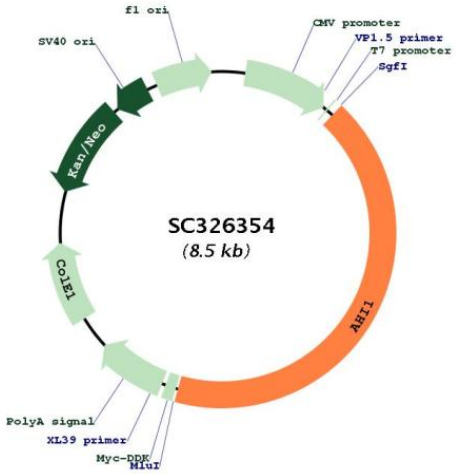
CAAGGACACATAATGGATACACGGATGAGGAAGAACAAGCAAGCAGGCAGAAAAGTCACTCTAATAGAG
TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001134830
Insert Size:	3591 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_001134830.1
RefSeq Size:	5502 bp
RefSeq ORF:	3591 bp
Locus ID:	54806
UniProt ID:	Q8N157
Cytogenetics:	6q23.3

MW:	137.1 kDa
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 (3) differs in the 5', compared to variant 1. Variants 1-3 and 5 all encode the same isoform (a).