

Product datasheet for **SC114379**

AK6 (NM_016283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AK6 (NM_016283) Human Untagged Clone
Tag:	Tag Free
Symbol:	AK6
Synonyms:	AD-004; CGI-137; CINAP; CIP; hCINAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016283, the custom clone sequence may differ by one or more nucleotides

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ATGTTGCTTCCGAACATCCTGCTCACCGGTACACCAGGGTTGGAAAAACCACACTAGGCAAGAAGCTTG  
CGTCAAAATCAGGACTGAAATACATTAATGTGGGTGATTTAGCTCGAGAAGAGCAATTGTATGATGGCTA  
TGATGAAGAGTATGACTGTCCCATTTTAGATGAAGACAGAGTAGTTGATGAGTTAGATAACCAAATGAGA  
GAAGGTGGAGTTATTGTTGATTACCATGGTTGTGATTTCTCCCTGAACGCTGGTTTCATATAGTTTTTG  
TGCTGAGAACAGATACCAATGTATTGTACGAAAGACTTGAACAAGGGTTATAATGAGAAGAACTAAC  
AGACAATATTCAGTGTGAGATTTTTCAAGTTCTTTATGAAGAAGCCACAGCATCCTACAAGGAAGAAATC  
GTGCATCAGCTGCCAGTAATAAACGAGAAGAGCTAGAAAATAATGTAGATCAGATCTTGAATGGATTG  
AGCAGTGGATCAAAGATCATAACTCTTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016283 unedited AGGATTTTGAATACGACTCACTATAGGGCGGCCCGGATTTCGGCACGAGGGCGGCGGGG ACCATGTTGCTTCCGAACATCCTGCTCACCGGTACACCAGGNGGTTGGAAAAACCACT AGGCAAAGAACTGCGTCAAAATCAGGACTGAAATACATTAATGTGGGTGATTTAGCTCG AGAAGTCTGATCATCGGATATCATGGAGTCTGGCAAGACGGCTTCTCCCAAGAGCATGCC GAAAGATGCACAGATGATGGCACAAATCCTGAAGGATATGGGGATTACAGAATATGAGCC AAGAGTTATAAATCAGATGTTGGAGTTTGCCTTCCGATATGTGACCACAATTCTAGATGA TGCAAAAATTTATTCAAGCCATGCTAAGAAAGCTACTGTTGATGCAGATGATGTGCGATT GGCAATCCAGTGCCGCGCTGATCAGTCTTTTACCTCTCCTCCCAAGAGATTTTTTATT AGATATTGCAAGGCAAAGAAATCAAACCCCTTTGCCATTGATCAAGCCATATTCAGGTCC TAGGTTGCCACCTGATAGATACTGCTTAACAGCTCCAACTATAGGCTGAAATCTTTACA GAAAAAGGCATCAACTTCTGCGGGAAGAATAACAGTCCCGCGGTTAAGTGTGGTTCAGT TACTAGCAGACCAAGTACTCCCACTAGGCACACCAACCCACCAGACCATGTCTGTTT CAACTAAAGTAGGACTCCCATGTCCCTCACAGGTCANAGGTTTACAGTACAGATGCCTA CTTCTCAGTCTCCAGCTGTAAGCTTCAATTCCTGCACCTCAGCANGTCAGAATGTTT TGATTAATCCATCATTAATCGGNTCCAANNACATTCTTATTACCACTATATGATGTCATC ACANATACTGCCATGATCATCNATGCATTGAAAGAAACGTNGAGAGATGATGATGACAT GAC
Restriction Sites:	NotI-NotI
ACCN:	NM_016283
Insert Size:	1170 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:	<ol style="list-style-type: none"> 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_016283.4 , NP_057367.1
RefSeq Size:	962 bp
RefSeq ORF:	519 bp
Locus ID:	102157402
UniProt ID:	Q9Y3D8
Cytogenetics:	5q13.2

Gene Summary:

This gene encodes a protein that belongs to the adenylate kinase family of enzymes. The protein has a nuclear localization and contains Walker A (P-loop) and Walker B motifs and a metal-coordinating residue. The protein may be involved in regulation of Cajal body formation. In human, AK6 and TAF9 (GeneID: 6880) are two distinct genes that share 5' exons. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (2) encodes the longer isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.