

Product datasheet for **SC213932**

AK3L1 (AK4) (NM_013410) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AK3L1 (AK4) (NM_013410) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AK4
Synonyms:	AK3; AK3L1; AK3L2; AK 4
ACCN:	NM_013410
Insert Size:	1343 bp



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Insert Sequence: >SC213932 3' UTR clone of NM_013410
The sequence shown below is from the reference sequence of NM_013410. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CACACCTATTCAGTCCAAAGAAGCATAT**TGA**CCCTGCCCAATGGAAGAACCAGGAAGATGTGGTCATTCA
TTCAATAGTGTGTAGTATTGGTGTCTGTCCAAATTAGAAGCTAGCTGAGGTAGCTTGCAGCATCTTT
TCTAGTTGAAATGGTGAAGTATAGGAAAACAAATGAGTAGAAAGAGTTCATGAAGAGGCCCTCCTCTGC
CTTTCAAAGGCTGGTACCTACACATGTTAAGGTGTCTCTGCACATGTCTCAAGCCCATCACAAGAAA
GCAAGTACAGTGTGGATTTCAAATGGTGTGTAAGTTCAGCTCCAGCTGGTTTTTGACAGCTGTTGCTGTG
GTAATATTTTTGACATGTGATGGTGTAGTCTCTGGTTCTCCCATCCCCACAAAGGCTGTTGAACCACA
GCACCAGGAAGCCTGAGAATGAATCCTGAGGGCTCTAGCCAGGCTTTGCCAGGCTTTCTGGTGTGTG
CCCTCCTGGTAACAGTGAATGAAGCTACTTACTCATAGTGGTTGTTTCTCTGGTCTTGAAGTACTGTG
TCCACAGTTCATTTTTTCCGGTAGGAATAACTCCTTTTCTACATCCACGCTCCATAGAGTCTCTCCTTT
TCAGACATCCTGGGATGAAAGAATTTGGCTTTTTTTTTTTTTTTTTTTTTTTGGACATCTGTTTTACTCT
TAGGCTTTTAAACAATAGTTATTGCTTTTATCCCTCTCAGATTCTAATAACTGAGAGCGATGGGGCTATA
TTGAATCTCTGTATGCACTGAGAAGTGAAGGATCTTATTAAGTCTGCTGGTCTGACTTTATG
GATTGACACTGTTCTTTCTTTTATTGTGAAAAAAAAAAAAACCCTGAAAGTCTTGGGAACCCCTAAA
GTCTTTTGGGAATCCTCAAAAAGCATGGGAAGTAAAGTATTTAGCTACATAAATGTTGTAAGATCATATC
TTATGTATAGAAGTAATAAGACCATTTGGAATTACTGGACTAATTGAATAGTTAAGGTTTCTATTCGGGA
CAATAAAATGATTTTTGAAAGTGTGCTAACTATTGATGCTGACAGTGTTCCTCTATGAGTGACCCA
AACATATTATAAATATGTGGTAAAGGGAATGGAGCCTGTGGGTTGAGCAGAATGTTGTACTAGCTGTGC
CTGGACTGAGTATAACAGCTTTATGATTATGAGAAAACAAATCTTTATTTTTTTTTTTCTGTTCCAAAGA
TTCATCCTATGGGGTGGCCATAAAGTCTAGAATTAGATACTAATATTTTGTTCATTATTAAACATATCA
ATAAACCATTTGT

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_013410.2](#)

Summary:

This gene encodes a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. A pseudogene for this gene has been located on chromosome 17. Three transcript variants encoding the same protein have been identified for this gene. Sequence alignment suggests that the gene defined by NM_013410, NM_203464, and NM_001005353 is located on chromosome 1. [provided by RefSeq, Jul 2008]

Locus ID:

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