

Product datasheet for **SC215106**

Adenylate Kinase 1 (AK1) (NM_000476) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Adenylate Kinase 1 (AK1) (NM_000476) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AK1
Synonyms:	HTL-S-58j
ACCN:	NM_000476
Insert Size:	1552 bp



[View online »](#)

Insert Sequence: >SC215106 3'UTR clone of NM_000476
 The sequence shown below is from the reference sequence of NM_000476. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCTGCACCCACCTGGACGCCCTAAAGTAGCAACGCTGGAGCCGCTTCCCCAGCTCAGAGCCCCGCCCC
ACCCCGTCTGATTTCGAGGTCCTCCTGGCCTGAGCGCAGCGCCTCCACCTGCCCTGCTGAGCACAGAC
GGAGGAAGCCGCTTATCCTGTTTTTCATGGACAGCTGAGCACTAAAGGAATTTCTAAGGACATTTGGTTT
TACTGCTTTTTCTGCTTCCAGTTGGAGTTGATTGATGTGCTTGTGCCTACCTGGCCGCAAGTCCCCA
GCCCTCAACCCTCCGTTCTCCTCAGCCTCCCTTTGCCAGCCACCCCTCCTCTAGCTCTGGTGGGAGG
CCCGGGGCCCTTCTCGCACAGGGCATGCCTGGCCTGAGGACCCGGCGCTGAGTGGCGGGGCCCTGCT
CCGAGGGGCTCATGTTCCAGGCAGAACCAGTCCCAGCCTGGGCTCCTCTGCATCTTGTCTGTGGCCTTG
GCCTGACCCCCATCGCTCTGAGCATATGTTCCATGCCTGGCCCTTGCCGGGGCCTGGACTGCACAGGC
AGCAAGGTCATGGTCTGAGTGGGCTTCTGGGCAGTTGGGGCGGCCACGCCAGCTGGCCAGTGGGT
AGTGAATTGGCTTCTTGACGCGAGAGGCTCTGAGGGTCTGAAAAGGGCATCTCAATGGCATGGGTGGG
TGGGGAGTCAGTCATGTCACTGAAATTGAATGGGGGAGGCCCAATGAGGTGGCTCATGCCTGTAATCCC
AGCACTTTGGGAAGCTGAGGCAGGAGGATCCCCTGAGGTGAGGAGTTCGAGAGCAGCCTGGCCAACATG
GCAAAACCCCTTATTTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCATGTGCCTGTATTCCCAGC
TACTCATGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGTGGAGCTGCAATGAGCCAAGATTGC
GCCACTGCACTCCAGCCTGGGTGACAGAGCAAGACTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAAGAAAT
TGAATTGGGGGAGTCATGGTCAGGGGTGAGACCTGAAGGACCTCCCTCTGTGTGGCCCTGGACACAGCC
CACCTCTGTGAGCCGTTTCCAATTCTAAAACAGACTCAATGTCCCTCACCCACCTCAAGGTCAG
GATGAGAACACACTGAGTGGAGTGGACGCTGTCCATTGCCACGGCCATGAGGGCTGGAGACCAGAAC
AGCATGGCCGAAGCGTGCAGGGGCCCGGATGACTTGGGGACACCCAGAAATCCCCTGGGAGAACCCCT
TCTGCGCGCTTTCATTTTTGACCTCATCACTGAGAAAGGCTCAATTTGGTGCTCACGTGCTCTTAAC
ACCTGATCTGGCCAAGCTGGGCTCCCTTAAAGCAAGAGAGCCTCTTGTGGACCCCGCCTGCCCGAAT
GAAATCCGAACAGTTGGGCTGTTTCATGGCAAGTGGGCTGGTTTTTTCATTCCATTGGTTATTTAAAG
TTTCCTTTAAAAATAAACGATTTTAAAGTTATAAAA
ACGGGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_000476.3](#)

Summary: This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

Locus ID: 203

MW: 55