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Product datasheet for SC202225

AK2 (NM_001625) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AK2 (NM_001625) Human 3' UTR Clone
Symbol:	AK2
Synonyms:	ADK2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001625
Insert Size:	2000 bp

View online »

Insert Sequence:

>SC202225 3'UTR clone of NM_001625
The sequence shown below is from the reference sequence of NM_001625. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACATGTAAAGACTTGGTTATGTTTATCTAATGTTGGGTCCAAGAAGGAATTTCTTTCCATCCCTGTGAG
GCAATGGGTGGGAATGATAGGACAGGCAAAGAGAAGCTTCCTCAGGCTAGCAAAAATATCATTTGATGT
ATTGATTAAAAAAGCACTTGCTTGATGTATCTTTGGCGTGTGTGCTACTCTCATCTGTGTGTATGTGTG
TTGTGTGTGTGTGTGTGTGCATGCACATATGTGTTCACTCTGCTACTTTGTAAGTTTTAGGCTAGGTTG
CTTTACCAGCTGTTTACTTCTTTTTTGTTGTTGTTTTGAGACAAGGTTTCGCTCTGCCACCCTGGCTGG
AGTGCAGTGGCGTGATCTTGGCTCACGGCAACCTCTGCCTCCTGGGGCTCAAGCAATTATCCCACCTCA
GCCTCCTGAGCAGCTGGGACTACAGGTGCATGCCACAACACCTGGCTGATATTTGTATTTTTTGTAGAG
ACAGGATTTTGCCAAGTTGCCCAGGCTGGTCTTGAACTCCTAGGCTTAAGCAATCCACCCACCTTGGCC
TCCTGAAGTGCCAGGATCACAGACGTGAGCCACTACACCCAGCCCAGCTGTTTACTTCTTTAACCATAC
TTTTGATTTTATTTTTTGACCAAAATGAACTAACCCAGGTAATCTTCCAGGGACCGCAATTCCAGAACC
TCATAGTATTTCTTCCATTTCCAGCAGCTGATTAGAAGTCCAGGATCATGTGAAGTCAGGCAGGGTCAC
AGTTCCTGATGGCACATTATGGACAGAGAATTCCATTTTGTTTTCTAACCCATGATGAAAACCCACGTG
AGTCAGTGTGTGAACAGGGATCATTAATTTTTTCCCCCTAGGTGGAAGGAAAAAGGCACTTACTTTGCA
GGTTACAGAAATTACTGGGAGAGGATATCGTCATAAAAAGAGCCAGGCCAAATTGGAATATTTTTGTGA
TCTGCATCATGATGCTGAAAATAGCAATTATTTGGGAATTGGGTTTGAAAACTGAATTGTTGCCAGAGA
ATTAAACCAGGTGAAAGGTCCTTTTGAATTCAGATTGTCTTCTGAACATCCAGGCTGATCATCTGAGAG
CAGTCAAATCTACTTCCCCAAAAAGAGACCAGGGTAGGTTTATTTGCTTTTATTTTTAATGTTTGCCTG
TGTTTCCAAGTGTGAACAAAACAGTGTGTGATCTATTCTTGGATTCATTTTGATCAGTATTTATTCAAA
CCCAGTCTCTCTCCAGGACATAAAACTGAAATCAGATATGTTCTTTTTAAGCCCAAACCCTCTCCTTTC
TAGATCCAACCCTTCACCCCTAATTTTATGATGGCTATAGCCATGGACTTCCCCAAGAAAAGATCACCC
AGAAATAAGACCACCTGTGACAGTTACCAGCTTTTATTCATAACCTTAGCTTCCCAACTATTGAGCATT
TTCTAAGGTCCCTGCTGTCTTTTGGTCTCTGGTTTGATTTGTGGCAAACAGATGAAGTAACAGACTGCT
ATGAAGGACCACAAAAACGGCAGCCTCTGGAAAAACCATTAGAAAGTCAGTGGCAGATCCAGTAAATAA
TATCGCCAGCCTCAGCATAATCTGCTGCTGACTCGATTCAGTGGACTCTAAAGTGCCCAGCCTCCTGAC
CTGAGCTCTCCTGCCATCTGTGAGACTACCAGAGGTCTTATCTGCTGTCCACATGGCAACTGGGCATGA
GTACCTGGCCACCTTGCTTCCCTCTTTGCCTGGTCCAAGTGAGTGTCTGCTGCCTCTGTCCTGCCTTGT
TTTCCTGGCTCTAAACCAACTCCACCCACTCTTAATGGAAACTCAGTCTGGCTTTGTGTGTTTCTGGGA
AGCACATGACTTCTGGGAATGGGCAAGGAAGAGGAGTGAAACAAAAACTGTCAGCTATGTGTGCCTGGT
CTGGGATCCTTCTCTGGGTGACAGTGGCATCATGAATCTTAGAATCAGCTCCCCTTTAACTAGGGACA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_001625.4

Summary: Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1 and 2.[provided by RefSeq, Nov 2010]

Locus ID: 204

MW: 75.4