

Product datasheet for **SC329655**

ADK (NM_001202449) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ADK (NM_001202449) Human Untagged Clone
Tag: Tag Free
Symbol: ADK
Synonyms: AK
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329655 representing NM_001202449.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

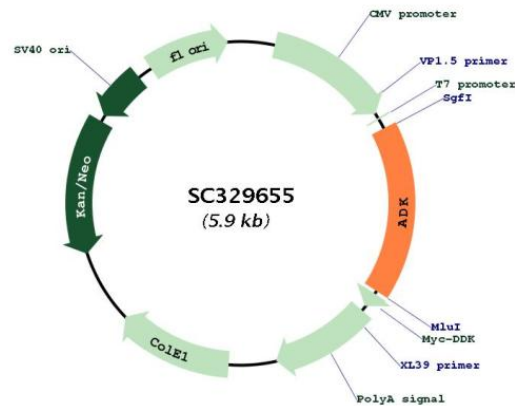
```
ATGACGTCAGTCAGAGAAAATATTCTCTTTGGAATGGGAAATCCTCTGCTTGACATCTCTGCTGTAGTG
GACAAAGATTTTCCTTGATAAGTTTGATGAACTTGTGAAAAAATTCAAAGTCGAATATCATGCTGGTGGC
TCTACCCAGAATTC AATTAAAGTGGCTCAGTGGATGATTC AACAGCCACACAAAGCAGCAACATTTTTT
GGATGCATTGGGATAGATAAATTTGGGGAGATCCTGAAGAGAAAAGCTGCTGAAGCCATGTGGATGCT
CATTACTACGAGCAGAATGAGCAGCCAACAGGAAGCTGTGCTGCATGCATCACTGGTGACAAACAGGTCC
CTCATAGCTAATCTTGCTGCTGCCAATTGTTATAAAAAGGAAAAACATCTTGATCTGGAGAAAACTGG
ATGTTGGTAGAAAAGCAAGAGTTTGTTATATAGCAGGCTTTTTTCTTACAGTTTCCCAGAGTCAGTA
TTAAAGGTGGCTCACCATGCTTCTGAAAACAACAGGATTTTCACTTTGAATCTATCTGCACCGTTTATT
AGCCAGTTCTACAAGGAATCATTGATGAAAGTTATGCCTTATGTTGATATACTTTTTGAAAATGAGACA
GAAGCTGCCACTTTTGCTAGAGAGCAAGGCTTTGAGACTAAAGACATTAAGAGATAGCCAAAAGACA
CAAGCCCTGCCAAAGATGAACTCAAAGAGGCAGCGAATCGTGATCTTCACCCAAGGGAGAGATGACACT
ATAATGGCTACAGAAAGTGAAGTCACTGCTTTTGCTGTCTTGGATCAAGACCAGAAAGAAATTATTGAT
ACCAATGGAGCTGGAGATGCATTTGTTGGAGGTTTTCTGTCTCACTGGTCTCTGACAAGCCTCTGACT
GAATGTATCCGTGCTGGCCACTATGCAGCAAGCATCATAATTAGACGGACTGGCTGCACCTTTCTGAG
AAGCCAGACTTCCACTGA
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001202449

Insert Size: 984 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:

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_001202449.1](#)

RefSeq Size:	2234 bp
RefSeq ORF:	984 bp
Locus ID:	132
UniProt ID:	P55263
Cytogenetics:	10q22.2 10q11-q24
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism
MW:	36.6 kDa
Gene Summary:	<p>This gene encodes an enzyme which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenosine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme could play an important pharmacological role in increasing intravascular adenosine concentrations and acting as anti-inflammatory agents. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform c), compared to isoform a.</p>