

# Recombinant Human ADK Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ADK-6596H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ADK MS Standard C13 and N15-labeled recombinant protein (NP_001114) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene 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 adenine 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.
<b>Molecular Mass</b>	38.7 kDa
<b>AA Sequence</b>	MTSVRENILFGMGNPLLDISAVVDKDFLDKYS LKPNDQILAEDKHKELFDELVKKFKV EYHAGGSTQNSIKVAQWMIQQPHKAATFFGCIGIDKFGEILKRKAAEAHVDAHYEQ NEQPTGTCAACITGDNRS LIANLAAANCYKKEKHL DLEKNWMLVEKARVCYIAGFFL TVSPESVLKVAHHA SENNRIFTLNLSAPFFSQFYKESLMKVMPYVDILFGNETEAATF AREQGFETKDIKEIAKKTQALPKMNSKRQRIVIFTQGRDDTIMATESEVTAFVLDQD

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



QKEIIDTNGAGDAFVGGFLSQLVSDKPLTECIRAGHYAASIIIRRTGCTFPEKPDFHTR  
TRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ADK adenosine kinase [ Homo sapiens (human) ]

**Official Symbol** ADK

**Synonyms** ADK; adenosine kinase; adenosine 5 phosphotransferase; AK; adenosine 5-phosphotransferase;

**Gene ID** 132

**mRNA Refseq** NM\_001123

**Protein Refseq** NP\_001114

**MIM** 102750

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P55263

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA