

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

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

SPECIFICATION

Product Overview	ADK MS Standard C13 and N15-labeled recombinant protein (NP_001114) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	38.7 kDa
AA Sequence	MTSVRENILFGMGNPLLDISAVVDKDFLDKYS LKPNDQILAEDKHKELFDELVKKFKV EYHAGGSTQNSIKVAQWMIQQPHKAATFFGCIGIDKFGEILKRKAAEAHVDAHYEYEQ NEQPTGTCAACITGDNRS LIANLAAANCYKKEKHLDEKNWMLVEKARVCYIAGFFL TVSPESVLKVAHHASENNRIFTLNLSAPFFSQFYKESLMKVMPYVDILFGNETEAATF AREQGFETKDIKEIAKKTQALPKMNSKRQRIVIFTQGRDDTIMATESEVTAFVLDQD

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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

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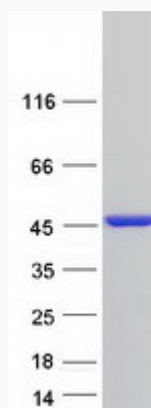
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UniProt ID

P55263

SDS-PAGE

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