

Recombinant Human ADK Protein, GST-tagged

Cat. No. ADK-359H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ADK full-length ORF (AAH03568.1, 1 a.a. - 345 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jan 2011]
Molecular Mass	63.58 kDa
AA Sequence	MTSVRENILFGMGNPLLDISAVVDKDFLDKYSCLKPNDQILAEDKHKELFDELVKKFKV EYHAGGSTQNSIKVAQWMIQQPHKAATFFGCIGIDKFGEILKRKAAEAHVDAHYEQ NEQPTGTCAACITGDNRS LIANLAAANCYKKEKHL DLEKNWMLVEKARVCYIAGFFL TVSPESVLKVAHHA SENNRIFTLNLSAPFFSQFYKESLMKVMPYVDILFGNETEAATF AREQGFETKDIKEIAKKTQALPKMNSKRQRIVIFTQGRDDTIMATESEVTAFVLDQD QKEIIDTNGAGDAFVGGFLSQLVSDKPLTECIRAGHYAASIIIRRTGCTFPEKPDFH

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ADK adenosine kinase [Homo sapiens]
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
UniProt ID	P55263

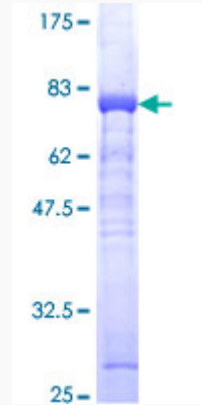
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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