

Product datasheet for PH300628

ADK (NM_001123) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ADK MS Standard C13 and N15-labeled recombinant protein (NP_001114)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200628
Predicted MW:	38.7 kDa
Protein Sequence:	>RC200628 protein sequence Red=Cloning site Green=Tags(s)
	<p>MTSVRENILFGMGNPLLDISAVVDKDFLDKYSCLKPNDQILAEDKHKELFDELVKKFKVEYHAGGSTQNSI KVAQWMIQQPHKAATFFGCIGIDKFGEILKRKAAEAHVDAHYEYQNEQPTGTCAACITGDNRSLIANLAA ANCYKKEKHLDLKWNMLVEKARVCYIAGFFLTVSPESVLKVAHASENNRIFTLNLAPFFSQFYKESL MKVMPYVDILFGNETEAATFAREQGFETDKIKEIAKKTQALPKMNSKRQRIVIFTQGRDDTIMATESEVT AFAVLDQDQKEIIDTNGAGDAFVGGFSQLVSDKPLTECIRAGHYAASIIIRRTGCTFPEKPDFH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001114</u>
RefSeq Size:	2288
RefSeq ORF:	1035
Synonyms:	AK
Locus ID:	132



[View online »](#)

UniProt ID: [P55263](#), [A0A140VJE0](#)

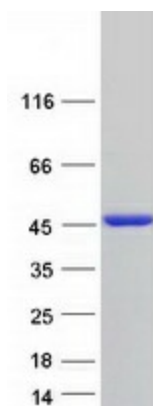
Cytogenetics: 10q22.2|10q11-q24

Summary: 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 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]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified ADK protein (Cat# [TP300628]). The protein was produced from HEK293T cells transfected with ADK cDNA clone (Cat# [RC200628]) using MegaTran 2.0 (Cat# [TT210002]).