ADK/Adenosine Kinase Protein, Human (HEK293)

Cat. No.:	HY-P75530
Synonyms:	Adenosine kinase; AK; Adenosine 5'-phosphotransferase; ADK
Species:	Human
Source:	HEK293
Accession:	AAH03568 (M1-H345)
Gene ID:	132
Molecular Weight:	Approximately 38.74 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris, 300 mM NaCl pH 8.0, 0.5 mM PMSF, 0.5 mM TCEP, 20% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Adenosine kinase is an enzyme that catalyzes the transfer of γ-phosphate from adenosine triphosphate (ATP) to adenosine (Ado) to form adenosine monophosphate (AMP). Catalyze the phosphorylation of purine nucleoside adenosine at the 5 'position in an ATP-dependent manner. ADK acts as a potential regulator of extracellular adenosine and intracellular adenine nucleotide concentrations. ADK promotes excess fat deposition and liver inflammation by inhibiting fatty acid oxidation in hepatocytes and producing hepatocellular proinflammatory mediators, which is a therapeutic target for controlling obesity and non-alcoholic fatty liver disease[1][2][3].

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