

## Adenosine Kinase from Human, Recombinant

Cat. No. NATE-1740

Lot. No. (See product label)

### Introduction

**Description** E.coli

**Applications** Human adenosine kinase is an active and purified, 345-aa short form ADK protein (39kDa) cloned by RT-PCR amplification of mRNA extracted from human hepatoma cells and expressed in E.coli. The sequence of the cloned ADK (GenBank accession number U50196) was confirmed by DNA sequencing (100% identity).

**Synonyms** ADK

### Product Information

**Species** ADK

**Source** Human

**EC Number** EC 2.7.1.20

**CAS No.** 9027-72-9

**Molecular Weight** 39kDa

**Activity**  $\geq 0.200$  unit/mg protein

**Unit Definition** One unit of adenosine kinase converts 1.0  $\mu$ mole of inosine and ATP to IMP and ADP per minute at pH 8 at 37°C, as measured by a coupled IMPDH enzyme system.

### Usage and Packaging

**Package** stable lyophilized form