

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 ≥ 0.200 unit/mg protein

Unit Definition One unit of adenosine kinase converts 1.0 μ 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