

Active Recombinant Rabbit Adenylate Kinase

Cat. No. ADK-01R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rabbit ADK Protein was expressed in E. coli.
Species	Rabbit
Source	E.coli
Description	Adenylate kinase also known by its alternate names AK or myokinase is an important enzyme that catalyzes the conversion of two molecules of ADP into one molecule of ATP and one molecule of AMP. This process is often referred to as the adenylate kinase reaction. The enzyme has a molecular mass of approximately 23-25 kDa. Adenylate kinase is expressed in almost all types of cells with particularly high expression in metabolically active tissues such as the heart muscle and brain.
Form	White lyophilized powder
Bio-activity	Specific Activity: 982 U/mg protein Activity: 147 U/mg solid
Purity	≥95% by SDS-PAGE
Storage	Store at -20 centigrade for at least 2 years
EC No.	2.7.4.3
CAS No.	9013-02-9

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Unit Definition

One unit is defined as the amount of enzyme that will convert 1.0 μmol ATP and 1.0 μmol AMP to 2 μmol ADP per min at 25 centigrade, pH 7.5

GENE INFORMATION

Official Symbol

ADK

Synonyms

ADK; adenylate kinase; EC 2.7.4.3

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