

# Rat AK1 / Adenylate kinase 1 (His Tag) recombinant protein



Catalog Number: 501383

## General Information

### Gene Name Synonym

ATP-AMP transphosphorylase 1; ATP:AMP phosphotransferase; Adenylate monophosphate kinase; Myokinase

### Protein Construction

A DNA sequence encoding the rat Ak1 (NP\_077325.2) (Met1-Lys194) was expressed with a polyhistidine tag at the N-terminus.

### Organism

Rat

### Expression Host

E. coli

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant rat Ak1 consists 212 amino acids and predicts a molecular mass of 23.8 kDa.

### Formulation

Lyophilized from sterile PBS, 10 % glycerol.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

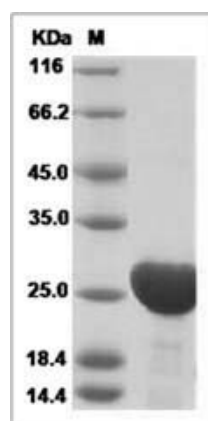
Store it under sterile conditions at -20°C to -80°C.

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Rat AK1 / Adenylate kinase 1 Protein (His Tag)