

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



Catalog Number: 501039

## General Information

### Gene Name Synonym

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

### Protein Construction

A DNA sequence encoding the human AK1 (AAH01116.1) (Met 1-Lys 194) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Kinase activity untested

### 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 human AK1 consisting of 209 amino acids and has a calculated molecular mass of 23.5 kDa. It migrates as an approximately 25 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Supplied as sterile PBS, 10% glycerol, pH 7.5  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

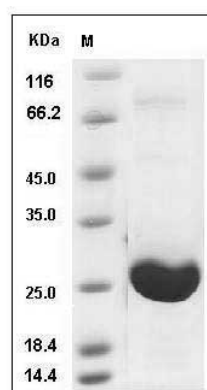
### Storage

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



Human AK1 / Adenylate kinase 1 Protein (His Tag)  
SDS-PAGE