

# Human AK4 / Adenylate Kinase 4 / AK3L1 recombinant protein



Catalog Number: 501841

## General Information

### Gene Name Synonym

Adenylate kinase 3-like; GTP:AMP phosphotransferase AK4

### Protein Construction

A DNA sequence encoding the human AK4 (P27144-1) (Ala 2-Tyr 223) was expressed and purified with two additional amino acids (Gly & Pro ) at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly

### Molecular Mass

The secreted recombinant human AK4 consists of 224 amino acids and predicts a molecular mass of 25.3 KDa. The apparent molecular mass of the protein is approximately 27 KDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0.

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

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

## Usage Guide

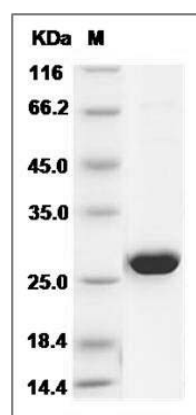
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 AK4 / Adenylate Kinase 4 / AK3L1 Protein SDS-PAGE