

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
- 5 % trehalose and mannitol are added as protectants before lyophilization.
 - Please contact us for any concerns or special requirements.

Usage Guide

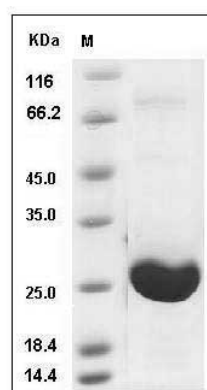
Storage

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



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