

## Recombinant Human AK1 protein, GST-tagged

**Cat. No.** AK1-9511H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AK1 protein(1-194 aa), fused with N-terminal GST tag, was expressed in E. coli.                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-194 aa                                                                                                                                                                                                                                             |
| <b>Tag</b>              | N-GST                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |
| <b>AA Sequence</b>      | MEEKLKKTNIIFVVGPGSGKGTQCEKIVQKYGYTHLSTGDLLRSEVSSGSARGKKL<br>SEIMEKGQLVPLETVLDMLRDAMVAKVNTSKGFLIDGYPREVQQGEEFERRIGQPTL                                                                                                                                |

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LLYVDAGPETMTQRLLKRGETSGRVDDNEETIKKRLETTYKATEPVIAFYEKRGIVRK  
VNAEGSVDSVFSQVCTHLDALK

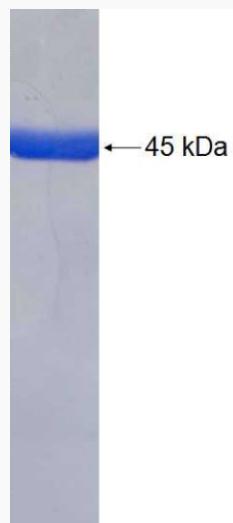
## GENE INFORMATION

|                 |                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------|
| Gene Name       | AK1 adenylate kinase 1 [ Homo sapiens ]                                                               |
| Official Symbol | AK1                                                                                                   |
| Synonyms        | AK1; adenylate kinase 1; adenylate kinase isoenzyme 1; AK 1; myokinase; ATP-AMP transphosphorylase 1; |
| Gene ID         | 203                                                                                                   |
| mRNA Refseq     | NM_000476                                                                                             |
| Protein Refseq  | NP_000467                                                                                             |
| MIM             | 103000                                                                                                |
| UniProt ID      | P00568                                                                                                |

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**SDS-PAGE**

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