



Recombinant Human AK1 Protein Product Manual

1. Product Basic Information

Product No.: REP06093

Protein Name: Adenylate Kinase Atp:Amp Phosphotransferase (AK1)

Aliases: ADK; Adk1; CNSHA3; HTL-S-58j; myokinase; adenylate kinase ATP:AMP phosphotransferase; epididymis secretory sperm binding protein; testis secretory sperm binding protein Li 58j

UniProt ID: P00568

UniProt Link: <https://www.uniprot.org/uniprotkb/P00568/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-194aa)

Molecular Weight: 37.6kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-194aa)

MEEKLKKTIIIFVGGPGSGKGTQCEKIVQKYGYTHLSTGDLLRSEVSSGSARGKKL
SEIMEKGQLVPLETVLDMLRDAMVAKVNTSKGFLIDGYPREVQQGEEFERRIGQPT
LLLYVDAGPETMTQRLLKRGETSGRVDDNEETIKKRLETYYKATEPVIAFYEKRGIVR
KVNAEGSVDSVFSQVCTHLDALK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the

5. Product Description

This product is a recombinant Human AK1 full length protein (1-194aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. AK1, also known as ADK or Adk1 or CNSHA3, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.