



Recombinant Human AK2 Protein Product Manual

1. Product Basic Information

Product No.: REP06094

Protein Name: Adenylate Kinase Atp:Amp Phosphotransferase (AK2)

Aliases: adenylate kinase ATP:AMP phosphotransferase; adenylate kinase 2, mitochondrial; adenylate kinase isoenzyme 2, mitochondrial; testis secretory sperm-binding protein Li 220n

UniProt ID: P54819

UniProt Link: <https://www.uniprot.org/uniprotkb/P54819/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of BC009405 (1-239aa)

Molecular Weight: 53.5kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-239aa)

MAPSVPAAEPEYPKGIRAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMLRAMVA
SGSELGKKLKATMDAGKLVSDVMVELIEKNLETPLCKNGFLLDGFPRTVRQAEML
DDLMEKRKEKLDVIEFSIPDSLLIRITGRLIHPKSGRSYHEEFNPPKEPMKDDITGE
PLIRRSDDNEKALKIRLQAYHTQTTPLEYYRKRGIHSAIDASQTPDVVFASILAAFSK
ATCKDLVMFI

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 protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human AK2 full length of bc009405 protein (1-239aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. AK2, also known as adenylate kinase ATP:AMP phosphotransferase or adenylate kinase 2, mitochondrial or adenylate kinase isoenzyme 2, mitochondrial, 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.