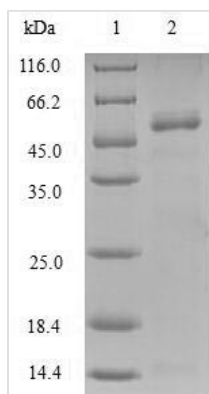




Recombinant Human Adenylate kinase 2, mitochondrial (AK2)

Product Code	CSB-EP001509HU
Relevance	Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.
Abbreviation	Recombinant Human AK2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P54819
Alias	ATP-AMP transphosphorylase 2 ATP:AMP phosphotransferase Adenylate monophosphate kinase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAPSVPAAEPEYPKGIRAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMMLRA MVASGSELGKKLKATMDAGKLVSDMMVELIEKNLETPLCKNGFLLDGFPRTV RQAEMLDDLMEKRKEKLDSEVIEFSIPDSLLIRITGRLIHPKSGRSYHEEFNPPK EPMKDDITGEPLIRRSDDNEKALKIRLQAYHTQTTPLEYYRKRGIHSAIDASQT PDVVFASILAFAFSKATCKDLVMFI
Research Area	Cell Biology
Source	E.coli
Target Names	AK2
Protein Names	Recommended name: Adenylate kinase 2, mitochondrial Short name= AK 2 EC= 2.7.4.3Alternative name(s): ATP-AMP transphosphorylase 2
Expression Region	1-239aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	53.5kDa
Protein Length	Full Length of BC009405
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.