





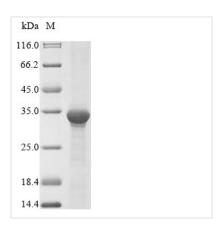
Recombinant Human GTP:AMP phosphotransferase, mitochondrial (AK3)

Product Code	CSB-EP883438HU
Relevance	Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Has GTP:AMP phosphotransferase and ITP:AMP phosphotransferase activities.
Abbreviation	Recombinant Human AK3 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.	Q9UIJ7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGASARLLRAVIMGAPGSGKGTVSSRITTHFELKHLSSGDLLRDNMLRGTEIG VLAKAFIDQGKLIPDDVMTRLALHELKNLTQYSWLLDGFPRTLPQAEALDRAYQ IDTVINLNVPFEVIKQRLTARWIHPASGRVYNIEFNPPKTVGIDDLTGEPLIQRED DKPETVIKRLKAYEDQTKPVLEYYQKKGVLETFSGTETNKIWPYVYAFLQTKVP QRSQKASVTP
Research Area	Metabolism
Source	E.coli
Target Names	AK3
Protein Names	Adenylate kinase 3 (AK 3) (Adenylate kinase 3 alpha-like 1) (AK3L1) (AK6) (AKL3L)
Expression Region	1-227aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	32.6 kDa
Protein Length	Full Length
Image	

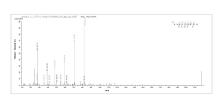
CUSABIO TECHNOLOGY LLC



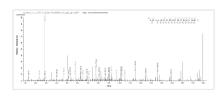




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP883438HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) AK3.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP883438HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) AK3.

Description

The meticulously designed Recombinant Human AK3 is a valuable tool for advancing your metabolic research. This high-quality product features the fulllength GTP:AMP phosphotransferase AK3, mitochondrial protein, also known as Adenylate kinase 3. The enzyme plays a vital role in cellular energy homeostasis and nucleotide metabolism.

Derived from E.coli, our Recombinant Human AK3 comprises an expression region of 1-227 amino acids, with N-terminal 10xHis-tagged and C-terminal Myctagged elements for simplified purification and detection. This product boasts a purity greater than 90%, as determined by SDS-PAGE, and is available in both liquid and lyophilized powder forms to suit a variety of experimental needs. Trust the precision-engineered Recombinant Human AK3 for unparalleled accuracy and reliability in your metabolism-focused research pursuits.

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.