



Recombinant Human Adenylate kinase isoenzyme 5 (AK5)

Product Code	CSB-EP897315HU
Abbreviation	AK5
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.	Q9Y6K8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MNTNDAKEYL ARREIPQLFE SLLNGLMCSK PEDPVEYLES CLQKVKELGG CDKVKWDTFV SQEKKTLPL NGGQSRRSFL RNVMPNSNF PYRRYDRLPP IHQFSIESDT DLSETAELIE EYEVFDPTRP RPKIILVIGG PGSGKGTQSL KIAERYGFQY ISVGELLRKK IHSTSSNRKW SLIAKIITG ELAPQETTIT EIKQKLMQIP DEEGIVIDGF PRDVAQALSF EDQICTPDLV VFLACANQRL KERLLKRAEQ QGRPDDNVKA TQRRLMNFKQ NAAPLVKYFQ EKGLIMTFDA DRDEDEVFYD ISMAVDNKL FPNKEAAAGSS DLDP SMILDT GEIIDTGSDY EDQGDDQLNV FGEDTMGGFM EDLRKCKIIF IIGGPGSGKG TQCEKLVEKY GFTHLSTGEL LREELASESE RSKLIRDIME RGDLPVPSGIV LELLKEAMVA SLGDTRGFLI DGYPREVKQG EEFGRRIGDP QLVICMDCSA DTMTNRL LQR SRSSLPVDDT TKTIKRLEA YYRASIPVIA YYETKTQLHK INAEGTPEDV FLQLCTAIDS IF
Source	E.coli
Target Names	AK5
Protein Names	Recommended name: Adenylate kinase isoenzyme 5 Short name= AK 5 EC= 2.7.4.3 Alternative name(s): ATP-AMP transphosphorylase 5
Expression Region	1-562
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.



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

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