



# Recombinant Human Adenylate kinase isoenzyme 5 (AK5)

<b>Product Code</b>	CSB-YP897315HU
<b>Abbreviation</b>	AK5
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9Y6K8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MNTNDAKEYL ARREIPQLFE SLLNGLMCSK PEDPVEYLES CLQKVKELGG CDKVKWDTFV SQEKKTLPLP NGGQSRRSFL RNVMPENSNF 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 RGDLPVSGIV LELLKEAMVA SLGDTRGFLI DGYPREVKQG EEFGRRIGDP QLVICMDCSA DTMTNRL LQR SRSSLPVDDT TKTIKRLEA YYRASIPVIA YYETKTQLHK INAEGTPEDV FLQLCTAIDS IF
<b>Source</b>	Yeast
<b>Target Names</b>	AK5
<b>Protein Names</b>	Recommended name: Adenylate kinase isoenzyme 5 Short name= AK 5 EC= 2.7.4.3 Alternative name(s): ATP-AMP transphosphorylase 5
<b>Expression Region</b>	1-562
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.



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**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.

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