



# Recombinant Human Adenylate kinase isoenzyme 5 (AK5)

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| <b>Product Code</b>      | CSB-EP897315HU-B  |
| <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.<br>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<br>CDKVKWDTFV SQEKKTLPLP NGGQSRRSFL RNVMPNSNF PYRRYDRLPP<br>IHQFSIESDT DLSETAELIE EYEVFDPTRP RPKIILVIGG PGSGKGTQSL<br>KIAERYGFQY ISVGELLRKK IHSTSSNRKW SLIAKIITG ELAPQETTIT<br>EIKQKLMQIP DEEGIVIDGF PRDVAQALSF EDQICTPDLV VFLACANQRL<br>KERLLKRAEQ QGRPDDNVKA TQRRLMNFKQ NAAPLVKYFQ EKGLIMTFDA<br>DRDEDEVFYD ISMAVDNKL FPNKEAAAGSS DLDP SMILDT GEIIDTGSDY<br>EDQGDDQLNV FGEDTMGGFM EDLRKCKIIF IIGPGSGKG TQCEKLVEKY<br>GFTHLSTGEL LREELASESE RSKLIRDIME RGDLPVSGIV LELLKEAMVA<br>SLGDTRGFLI DGYPREVKQG EEFGRRIGDP QLVICMDCSA DTMTNRL LQR<br>SRSSLPVDDT TKTIKRLEA YYRASIPVIA YYETKTQLHK INAEGTPEDV<br>FLQLCTAIDS IF |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | AK5   |
| <b>Protein Names</b>     | Recommended name: Adenylate kinase isoenzyme 5 Short name= AK 5 EC=<br>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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**Shelf Life**

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