

## 32-2940: AK5 Recombinant Protein

**Alternative Name :** Adenylate kinase isoenzyme 5,AK 5,ATP-AMP transphosphorylase 5,AK5,AK6.

### Description

Source : Escherichia Coli. AK5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 586 amino acids (1-562 a.a.) and having a molecular mass of 65.9kDa.AK5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Adenylate kinase isoenzyme 5 (AK5) belongs to 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. AK5 is related to the UMP/CMP kinase of several species. AK5 is located in the cytosol and expressed exclusively in the brain.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 85% as determined by SDS-PAGE.
<b>Content :</b>	AK5 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MGSMMNTNDA KEYMARREIP QLFESLLNGL MCSKPEDPVE YLESLQKVK ELGGCDKVKW DTFVSQEKKT LPPLNGGQSR RSFLRNVM PG NSNFPYRRYD RLPIHQFSI ESDTDLSETA ELIEEYEVFD PTRPRPKIIL VIGGPGSGKG TQSLKIAERY GFQYISVGEL LRKKIHSTSS NRKWSLIAKI ITTGELAPQE TTITEIKQKL MQIPDEEGIV IDGFPRDVAQ ALSFEDQICT PDLVVFLACA NQRLKERLLK RAEQQGRPDD NVKATQRRML NFKQNAAPLV KYFQEKGLIM TFDADRDEDE VFYDISMAVD NKLFPNKEAA AGSSDLPSM ILDTGEIIDT GSDYEDQGDD QLNVFGEDTM GGFMEDLRKC KIIFIIGGPG SGKGTQCEKL VEKYGFTHLS TGELLREELA SESERSKLIR DIMERGDLPV SGIVLELLKE AMVASLGDTR GFLIDGYPRE VKQGEEFGRR IGDQPQLVICM DCSADMTNR LLQRSRSSLP VDDTTKTIK RLEAYYRASI PVIAYYETKT QLHKINAEGT PEDVFLQLCT AIDSIF.

