

# Human AK5 Recombinant Protein



RPPB2434

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## Product Information    Protein Information

**Product SKU:**

RPPB2434

**Accession:**

Q9Y6K8

**Host:**

Escherichia Coli.

**Protein description:**

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.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

Adenylate kinase isoenzyme 5, AK 5, ATP-AMP transphosphorylase 5, AK5, AK6.

**Formulation:**

AK5 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.

**Purity:**

Greater than 85% as determined by SDS-PAGE.

**Stability:**

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.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MGSMTNTNDA KEYMARREIP QLFESLLNGL MCSKPEDPVE YLESCLQKVK  
ELGGCDKVKW DTFVSQEKKT LPPLNGGQSR RSFLRNVM PG NSNFPYRRYD RLPIHQFSI ESDTDLSETA  
ELIEEYEVFD PTRPRPKIIL VIGGPGSGKG TQSLKIAERY GFQYISVGEL LRKIHSTSS NRKWSLIAKI ITTGELAPQE  
TTITEIKQKL MQIPDEEGIV IDGFPRDVAQ ALSFEDQICT PDLVFLACA NQRLKERLLK RAEQQGRPDD  
NVKATQRRML NFKQNAAPLV KYFQEKGLIM TFDADRDEDE VFYDISMAVD NKLFPNKEAA AGSSDLDP  
ILDTGEIIDT GSDYEDQGDD QLNVFGEDTM GGFMEDLRKC KIIFIIGGPG SGKGTQCEKL VEKYGFT  
HLS TGELLREELA SESERSKLIR DIMERGDLPV SGIVLELLKE AMVASLGDTR GFLIDGYPRE VKQGE  
EFGRR IGD PQLVICM DCSADTMTNR LLQRSRSLP VDDTTKTI AK RLEAYYRASI PVIAYYETKT Q  
LHKINAEGT PEDVFLQLCT AIDSIF.