

Adenylate Kinase 5 Human Recombinant

Item Number	rAP-0830
Synonyms	Adenylate kinase isoenzyme 5, AK 5, ATP-AMP transphosphorylase 5, AK5, AK6.
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.
Uniprot Accession Number	Q9Y6K8
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMNTNDA KEYMARREIP QLFESLLNGL MCSKPEDPVE YLESCLQKVK ELGGCDKVKW DTFVSQEKKT LPPLNGGQSR RSFLRNVMGP NSNFPYRRYD RLPPIHQFSI ESDTDLSETA ELIEEYEVFD PTRPRPKIIL VIGGPGSGKG TQSLKIAERY GFQYISVGEL LRKKIHSTSS NRKWSLIAKI ITTGELAPQE TTITEIKQKL MQIPDEEGIV IDGFPRDVAQ ALSFEDQICT PDLVVFLACA NQRLKERLLK RAEQQGRPDD NVKATQRRML NFKQNAAPLV KYFQEKGLIM TFDADRD-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	AK5 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**