

## Adenylate Kinase 4 Human Recombinant

<b>Item Number</b>	rAP-0832
<b>Synonyms</b>	Adenylate Kinase 4, AK3, Adenylate Kinase 3-like 1, AK3L1, ATP-AMP transphosphorylase, Adenylate Kinase 3, GTP:AMP phosphotransferase, mitochondrial adenylate kinase-3, AK3L2, MGC166959, EC 2.7.4.3.
<b>Description</b>	AK4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 243 amino acids (1-223a.a.) and having a molecular mass of 27.4kDa. AK4 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.
<b>Uniprot Accesion Number</b>	P27144
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MASKLLRAVI LGPPGSGKGT VCQRIAQNFQ LQHLSSGHFL RENI-KASTEV GEMAKQYIEK SLLVPDHVIT RLMMSELENR RGQHWLLDGF PRTLQAEAL DKICEVDLVI SLNIPFETLK DRLSRRWIHP PSGRVYNLDF NPPHVHGIDD VTGEPLVQQE DDKPEAVAAR LRQYKDVAKP VIELYKSRGV LHQFSGTETN KIWPYVYTLF SNKITPIQSK EAY
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	AK4 Human solution (1mg/1ml) containing 20mM Tris-HCl pH-8, 2mM DTT, 0.1M NaCl, and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**