

Mouse ADK Recombinant Protein



RPPB2427

Product Information Protein Information

Product SKU:

RPPB2427

Accession:

P55264

Host:

Escherichia Coli.

Protein description:

ADK produced in E.Coli is a single, non-glycosylated polypeptide chain containing 384 amino acids (1-361a.a.) and having a molecular mass of 42.5kDa. ADK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

AK, ADK, Adenosine Kinase, Adenosine 5-Phosphotransferase.

Formulation:

The ADK protein solution (1mg/ml) contains 20% glycerol, 20mM Tris-HCl buffer (pH8.0), 1mM EDTA & 50mM NaCl.

Purity:

Greater than 95.0% 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 SSSLVPRGSH MGSMAAADEP KPKLKVVEAP QALSENVLFG MGNPLLDISA VVDKDFLDKY
SLKPNDQILA EDKHKELFDE LVKKFKVEYH AGGSTQNSMK VAQWLIQEPH KAATFFGCIG IDKFGEILKR
KAADAHVDAH YEQNEQPTG TCAACITGGN RSLVANLAAA NCYKKEKHLD LERNWVLVEK ARVYYIAGFF
LTVSPESVLK VARYAAENNR VFTLNLSAPF ISQFFKEALM DVMPYVDILF GNTEAATFA REQGFETKDI
KEIAKKAQAL PKVNSKRQRT VIFTQGRDDT IVAAENDVTA FPVLDQNQEE IIDTNGAGDA FVGGFLSQLV
SDKPLTECIR AGHYAASVII RRTGCTFPEK PDFH.

Biological Activity:

Specific activity is > 100 pmol/min/ and is defined as the amount of enzyme that convert 1.0 pmole of adenosine to AMP per minute at pH 7.5 at 37C in a couple system with PK and LDH.