

Human ADK Recombinant Protein



RPPB2426

Product Information Protein Information

Product SKU:

RPPB2426

Accession:

P55263

Host:

Escherichia Coli.

Protein description:

ADK produced in E.Coli is a single, non-glycosylated polypeptide chain containing 362 amino acids (22-362a.a.) and having a molecular mass of 40.5kDa. ADK is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Adenosine 5'-phosphotransferase, EC 2.7.1.20, AK, ADK, Adenosine Kinase, Adenosine 5-Phosphotransferase, Testicular Tissue Protein Li 14, EC 2.7.1.

Formulation:

The ADK protein solution (0.5mg/ml) contains 20% glycerol, 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 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 SGLVPRGSH MRENILFGMG NPLLDISAVV DKDFLDKYSL KPNDQILAED KHKELFDELV
KKFKVEYHAG GSTQNSIKVA QWMIQPHKA ATFFGCIGID KFGEILKRKA AEAHVDAHYY EQNEQPTGTC
AACITGDNRS LIANLAAANC YKKEKHLDE KNWMLVEKARVCYIAGFFLT VSPESVLKVA HHAENNRIF
TLNLSAPFIS QFYKESLMKV MPYVDILFGN ETEAATFARE QGFETKDIKE IAKKTQALPK MNSKRQRIVI
FTQGRDDTIM ATESEVTAFV VLDQDQKEII DTNGAGDAFV GGFLSQLVSD KPLTECIRAG HYAASIIRR
TGCTFPEKPDFH.

Biological Activity:

Specific activity is > 30 pmol/min/ug 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.