

Mouse AK1 Recombinant Protein



RPPB2430

Product Information Protein Information

Product SKU:

RPPB2430

Accession:

Q9R0Y5

Host:

Escherichia Coli.

Protein description:

AK1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 233 amino acids (1-210 a.a) and having a molecular mass of 25.5kDa. AK1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Adenylate kinase Isoenzyme 1 isoform 1, Ak-1, B430205N08Rik, ATP-AMP transphosphorylase 1, ATP:AMP phosphotransferase, Adenylate monophosphate kinase, Myokinase.

Formulation:

AK1 protein solution (0.5mg/ml) containing 20mM Tris-Hcl buffer (pH8.0), 10% glycerol and 1mM DTT.

Purity:

Greater than 90.0% 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 SSGLVPRGSH MGSMGCCVSS EPQEEGGRKT GEKLKKAKII FVVGPGSGK GTQCEKIVQK
YGYTHLSTGD LLRAEVSSGS ERGKKLSAIM EKGLVPLDT VLDMLRDAML AKVDSSNGFL IDGYPREVKQ
GEEFEQKIGQ PTLLLYVDAG AETMTQRLLK RGETSGRVDDNEETIKKRL TYYNATEPVI SFYDKRGIVR
KVNAEGTVDT VFSEVCTYLD SLK.

Biological Activity:

Specific activity is > 150 units/mg. One unit will convert 2.0 umoles of ADP to ATP + AMP per minute at pH 7.5 at 37°C.