

Human AK1 Recombinant Protein



RPPB2428

Product Information Protein Information

Product SKU:

RPPB2428

Accession:

P00568

Host:

Escherichia Coli.

Protein description:

AK1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 214 amino acids (1-194 a.a.) and having a molecular mass of 23.7kDa. The AK1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Adenylate kinase isoenzyme 1, AK 1, ATP-AMP transphosphorylase 1, Myokinase, AK1.

Formulation:

The AK1 protein solution (1mg/ml) contains 20mM Tris-HCl pH-7.5 and 10% glycerol.

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 MEEKLKTKI IFVVGPGSG KGTQCEKIVQ KYGYTHLSTG DLLRSEVSSG
SARGKKLSEI MEKGQLVPLE TVLDMLRDAM VAKVNTSKGF LIDGYPREVQ QGEFERRIG QPTLLLYVDA
GPETMTQRLK KRGETSGRVD DNEETIKKRL ETTYKATEPV IAFYEKRGIV RKVNAEGSVD SVFSQVCTHL DALK.

Biological Activity:

Specific activity: > 600 units/mg. One unit will convert 2.0 umoles of ADP to ATP + AMP per minute at pH 7.5 at 25°C.