

Human AK2 Recombinant Protein



RPPB2429

Product Information Protein Information

Product SKU:

RPPB2429

Accession:

P54819

Host:

Escherichia Coli.

Protein description:

AK2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 259 amino acids and having a molecular mass of 28.6 kDa. AK2 is fused to 20 a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

ADK2, AK-2, Adenylate kinase isoenzyme 2 mitochondrial, ATP-AMP transphosphorylase 2, adenylate kinase 2.

Formulation:

AK2 solution containing 20mM Tris pH-7.5, 5mM DTT and 20% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

AK2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MAPSVPAEPE EYPKGIKAVL LGPPGAGKGTQAPRLAENFC VCHLATGDML
RAMVASGSEL GKCLKATMDA GKLVSDEMVA ELIEKNLETP LCKNGFLLDG FPRTVQAEM LDDLMEKRKE
KLDVIEFSIPDSSLIRIT GRLIHPKSGR SYHEEFNPPK EPMKDDITGE PLIRRSDDNE KALKIRLQAY HTQTTPLIEY
YRKRGIHSAI DASQTPDVVF ASILAAFSKA TCKDLVMFI.

Biological Activity:

Specific activity: > 1.5 units/ml. One unit will convert 2.0 umoles of ADP to ATP + AMP per minute at pH 7.5 at 25C.