

Mouse AK2 Recombinant Protein



RPPB2431

Product Information Protein Information

Product SKU:

RPPB2431

Accession:

Q9WTP6

Host:

Escherichia Coli.

Protein description:

AK2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 263 amino acids (1-239 a.a) and having a molecular mass of 29kDa. AK2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Adenylate kinase 2 mitochondrial isoform a, Ak-2, D4Ertd220e, mitochondrial, ATP-AMP transphosphorylase 2, ATP:AMP phosphotransferase, Adenylate monophosphate kinase.

Formulation:

AK2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.5), 10% glycerol and 1mM DTT.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSHPMAPNVL ASEPEIPKGI RAVLLGPPGA GKGTQAPKLA ENFCVCHLAT
GDMLRAMVAS GSEL TMDAGKLVSD EMVELIEKN LETPCKNGF LLDGFPRTVR QAEMLDLME
KRKEKLDVSI EFSIQDILLI RRITGRLIHP KSGRSNPPKEPMKDD ITGEPLIRRS DDNEKALKTR LEAYHTQTTP
LVEYYRKRGI HCAIDASQTP DIVFASILAA FSKATCKDLV MFI

Biological Activity:

Specific activity is > 40 units/mg. One unit will convert 2.0 umoles of ADP to ATP + AMP per minute at pH 7.5 at 37C.