Recombinant Human AK1 protein

Cat. No. AK1-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AK1 was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	194aa
Description	It was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme. This small ubiquitous enzyme is essential for maintenance and cell growth.
Form	50mM Tris.Cl, 50mM NaCl, 2.5% Glycerol, pH8.0.
Molecular Mass	21.6kDa
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	AK1 adenylate kinase 1 [Homo sapiens]

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Official Symbol	AK1
Synonyms	AK1; AK 1; myokinase
Gene ID	203
mRNA Refseq	NM_000476
Protein Refseq	NP_000467
MIM	103000
UniProt ID	P00568
Chromosome Location	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Synthesis and interconversion of nucleotide di- and triphosphates, organism-specific biosystem;
Pathway	ATP binding; adenylate kinase activity; nucleobase-containing compound kinase activity; nucleotide binding; transferase activity;

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