

Recombinant Rat Ak1, His-tagged

Cat. No. Ak1-3186R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Adenylate kinase isoenzyme 1 (Ak1)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	194
Description	catalyzes the conversion of ATP and AMP to ADP in adenine nucleotide metabolism .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Ak1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic

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procedures.

GENE INFORMATION

Gene Name	Ak1 adenylate kinase 1 [<i>Rattus norvegicus</i>]
Official Symbol	Ak1
Synonyms	AK1; adenylate kinase 1; adenylate kinase isoenzyme 1; AK 1; myokinase; ATP-AMP transphosphorylase 1; MGC108678;
Gene ID	24183
mRNA Refseq	NM_024349
Protein Refseq	NP_077325
Pathway	Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;
Function	ATP binding; adenylate kinase activity; adenylate kinase activity; nucleobase-containing compound kinase activity; nucleotide binding; Contributes_to phosphotransferase activity, phosphate group as acceptor; transferase activity;

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