

Recombinant Human AK3L1 Protein, GST-tagged

Cat. No. AK4-488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AK3L1 full-length ORF (AAH16180, 1 a.a. - 223 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>This gene encodes a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. A pseudogene for this gene has been located on chromosome 17. Three transcript variants encoding the same protein have been identified for this gene. Sequence alignment suggests that the gene defined by NM_013410, NM_203464, and NM_001005353 is located on chromosome 1.</p> <p>[provided by RefSeq, Jul 2008]</p>
Molecular Mass	50.27 kDa
AA Sequence	MASKLLRAVILGPPGSGKGTVCQRIAQNFGFLQLHSSGHFLRENIKASTEVGEMAKQY IEKSLVDPDHVITRLMMSELENRRGQHWLLDGFPRTLGQAEALDKICEVDLVISLNIPF ETLKDRLSRRWIHPPSGRVYNLDFNPPHVHGIDDTGEPLVQQEDDKPEAVARLR QYKDVAKPVIELYKSRGVLHQFSGTETNKIWPYVYTLFSNKITPIQSKEAY

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AK4 adenylate kinase 4 [Homo sapiens (human)]
Official Symbol	AK4
Synonyms	AK4; adenylate kinase 4; AK3; AK 4; AK3L1; AK3L2; adenylate kinase 4, mitochondrial; ATP-AMP transphosphorylase; GTP:AMP phosphotransferase AK4, mitochondrial; adenylate kinase 3-like 1; adenylate kinase isoenzyme 4, mitochondrial; mitochondrial adenylate kinase-3; nucleoside-triphosphate-adenylate kinase; EC 2.7.4.10; EC 2.7.4.6
Gene ID	205
mRNA Refseq	NM_001005353
Protein Refseq	NP_001005353
MIM	103030

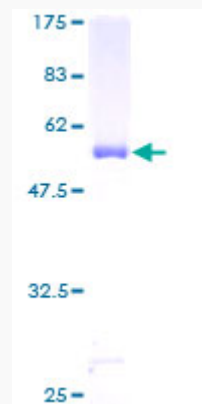
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UniProt ID

P27144

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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