

Recombinant Human AK2 Protein, GST-tagged

Cat. No. AK2-484H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AK2 full-length ORF (AAH09405, 1 a.a. - 239 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1 and 2.[provided by RefSeq, Nov 2010]</p>
Molecular Mass	52.03 kDa
AA Sequence	MAPSVPAAEPEYPKGIKAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMLRAMVAS GSELGKCLKATMDAGKLVSDMVELIEKNLETPCKNGFLLDGFPRTVRQAEMLD DLMEKRKEKLDVIEFSIPDSSLIRIRITGRLIHPKSGRSYHEEFNPPKEPMKDDITGEP LIRRSDNEKALKIRLQAYHTQTPLIEYYRKRGIHSAIDASQTPDVVFASILAFAFSKAT CKDLVMFI

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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	AK2 adenylate kinase 2 [Homo sapiens]
Official Symbol	AK2
Synonyms	AK2; adenylate kinase 2; adenylate kinase 2, mitochondrial; ATP-AMP transphosphorylase 2; adenylate kinase isoenzyme 2, mitochondrial; ADK2; AK 2;
Gene ID	204
mRNA Refseq	NM_001199199
Protein Refseq	NP_001186128
MIM	103020
UniProt ID	P54819

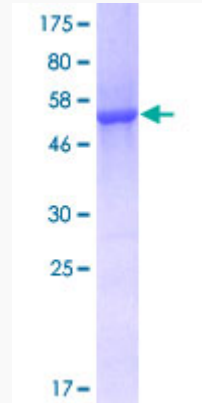
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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