

Product datasheet for TP309974M

OriGene Technologies, Inc.

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AK2 (NM_001625) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human adenylate kinase 2 (AK2), transcript variant AK2A, 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC209974 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAPSVPAAEPEYPKGIRAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMLRAMVASGSELGKKLKATMDA GKLVSDEMVVELIEKNLETPLCKNGFLLDGFPRTVRQAEMLDDLMEKRKEKLDSVIEFSIPDSLLIRRIT GRLIHPKSGRSYHEEFNPPKEPMKDDITGEPLIRRSDDNEKALKIRLQAYHTQTTPLIEYYRKRGIHSAI

DASQTPDVVFASILAAFSKATCKDLVMFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 26.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 001616

Locus ID: 204

UniProt ID: P54819, A0A140VK93





RefSeq Size: 2759

Cytogenetics: 1p35.1
RefSeq ORF: 717
Synonyms: ADK2

Summary: Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell

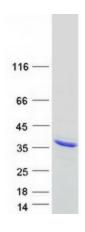
by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized 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]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified AK2 protein (Cat# [TP309974]). The protein was produced from HEK293T cells transfected with AK2 cDNA clone (Cat# [RC209974]) using MegaTran 2.0 (Cat# [TT210002]).