

Cat. No. AK7-394H Lot. No. (See product label)

Product Overview

Human AK7 full-length ORF (AAH35256, 1 a.a. - 656 a.a.) recombinant protein with GST-tag at N-terminal.

Species

Human

Source

Wheat Germ

Description

This gene encodes a member of the adenylate kinase family of enzymes. The encoded enzyme is a phosphotransferase that catalyzes the reversible phosphorylation of adenine nucleotides. This enzyme plays a role in energy homeostasis of the cell. Alternative splicing results in multiple transcript variants. Mutations in the mouse gene are associated with primary ciliary dyskinesia. [provided by RefSeq, Apr 2017]

Molecular Mass

97.90 kDa

AA Sequence

MAEEEEETAALTEKVIRTQRVFINLLDSYSSGNIGKFLSNCVVGASLEEITEEEEEEDEN
KSAMLEASSTKVKEGTFQIVGTLSKPDSPRPDAVETYSAISREDLLMRLLCEDVIIYN
ITESSQQMEEAIWAVSALSEEVSHEKFKLFILLSTVMTWARSKALDPEDSEVPFTEE
DYRRRKSHPNFLDHINAEKMVLKFGKKARKFAAYVVAAGLQYGAEGGMLHTFFKMA
WLGEIPALPVFGDGTNVIPTIHVLDLAGVIQNVIDHVPKPHYLVAVDESVHTLEDIVKCI
SKNTGPGKIQKIPRENAYLTKDLTQDCLDHLLVNLRMEALFVKENFNIRWAAQTGFV
ENINTILKEYKQSRGLMPIKICILGPPAVGKSSIAKELAKYYKLHHIQLKDVISEAIAKLE
AIVAPNDVGEGEEEEEEEEEEENVEDAOELLDGIKESMEONAGOLDDOYIIRFMKEK

LKSMPCRNRGYILDGFPKTYDQAKDLFNQEDEEEEDDVRGRMFPPDKLIPEFVCAL
 DASDEFLKERVINLPESIVAGTHYSQDRFLRALSNYRDINIDDETVMNYFDELEIHPIHI
 DVGKLEDAQNRLAIKQLIKETGEPRNYGLTDEEKAEGERKAAEERLAREAAEEAERE
 HQEAVEMA EK IARWE

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 -80 centigrade. 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

AK7 adenylate kinase 7 [Homo sapiens]

Official Symbol

AK7

Synonyms

AK7; adenylate kinase 7; FLJ32864; putative adenylate kinase 7;

Gene ID

122481

mRNA Refseq

NM_152327

Protein Refseq

NP_689540

MIM

615364

UniProt ID

Q96M32

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