

Recombinant Full Length Human AK7 Protein, GST-tagged

Cat. No. AK7-1340HF **Lot. No.** (See product label)

SPECIFICATION

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	In Vitro Cell Free System
ProteinLength	656 amino acids
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	MAEEEEETAAL TEKVRTQRV FINLLDSYSS GNIGKFLSNC VVGASLEEIT EEEEEEEDENK SAMLEASSTK VKEGTFQIVG TLSKPDSRP DFAVETYSAI SREDLLMRLLECDVIYNIT ESSQQMEEAI WAVSALSEEV SHFEKRLKFI LLSTVMTWAR SKALDPEDSE VPFTEEDYRR RKSHPNFLDH INAEKMLVKF GKKARKFAAY VVAAGLQYGA EGGMLHTFFK MAWLGEIPAL PVFGDGTNVI PTIHVLDLAG VIQNVIDHVP KPHYLVAVDE SVHTLEDIVK CISKNTGPGK IQKIPRENAY LTKDLTQDCL DHLLVNLRME ALFVKENFNI RWAAQTGFVE

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NINTILKEYK QSRGLMPIKI CILGPPAVGK SSIKELAKY YKLHHIQLKD
 VISEAIAKLE AIVAPNDVGE GEEEEEEEEEE EENVEDAQEL LDGIKESMEQ
 NAGQLDDQYI IRFMKEKLKS MPCRNRGYIL DGFPKTYDQA KDLFNQEDEE
 EEDDVRGRMF PFDKLIPEF VCALDASDEF LKERVINLPE SIVAGTHYSQ
 DRFLRALSNY RDINIDDET V FNYFDELEIH PIHIDVGKLE DAQNRLAIKQ
 LIKETGEPRN YGLTDEEKAE GERKAAEERL AREAAREEAER EHQAQVEMAE
 KIARWE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

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

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UniProt ID

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