Recombinant Human AK7 Protein, GST-tagged

Cat. No. AK7-394H **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	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	MAEEEETAALTEKVIRTQRVFINLLDSYSSGNIGKFLSNCVVGASLEEITEEEEEEDEN KSAMLEASSTKVKEGTFQIVGTLSKPDSPRPDFAVETYSAISREDLLMRLLECDVIIYN ITESSQQMEEAIWAVSALSEEVSHFEKRKLFILLSTVMTWARSKALDPEDSEVPFTEE DYRRRKSHPNFLDHINAEKMVLKFGKKARKFAAYVVAAGLQYGAEGGMLHTFFKMA WLGEIPALPVFGDGTNVIPTIHVLDLAGVIQNVIDHVPKPHYLVAVDESVHTLEDIVKCI SKNTGPGKIQKIPRENAYLTKDLTQDCLDHLLVNLRMEALFVKENFNIRWAAQTGFV ENINTILKEYKQSRGLMPIKICILGPPAVGKSSIAKELAKYYKLHHIQLKDVISEAIAKLE AIVAPNDVGEGEEEVEEEEEEENVEDAQELLDGIKESMEQNAGQLDDQYIIRFMKEK

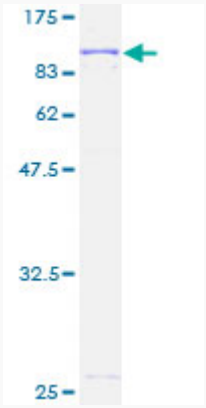
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LKSMPCRNRGYILDGFPKTYDQAKDLFNQEDEEEEDDVRGRMFPFDKLIIPEFVCAL DASDEFLKERVINLPESIVAGTHYSQDRFLRALSNYRDINIDDETVFNYFDELEIHPIHI DVGKLEDAQNRLAIKQLIKETGEPRNYGLTDEEKAEGERKAAEERLAREAAEEAERE HQEAVEMAEKIARWE
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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12.5% SDS-PAGE Stained with Coomassie Blue.

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