Recombinant Human AK5 Protein, GST-tagged

Cat. No. AK5-393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AK5 full-length ORF (AAH36666, 1 a.a. - 562 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, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	87.56 kDa
AA Sequence	MNTNDAKEYMARREIPQLFESLLNGLMCSKPEDPVEYLESCLQKVKELGGCDKVKW DTFVSQEKKTLPPLNGGQSRRSFLRNVMPGNSNFPYRRYDRLPPIHQFSIESDTDLS ETAELIEEYEVFDPTRPRPKIILVIGGPGSGKGTQSLKIAERYGFQYISVGELLRKKIHS TSSNRKWSLIAKIITTGELAPQETTITEIKQKLMQIPDEEGIVIDGFPRDVAQALSFEDQI CTPDLVVFLACANQRLKERLLKRAEQQGRPDDNVKATQRRLMNFKQNAAPLVKYF QEKGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDPSMILDTGEIIDTG SDYEDQGDDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVEKYGFT HLSTGELLREELASESERSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDG

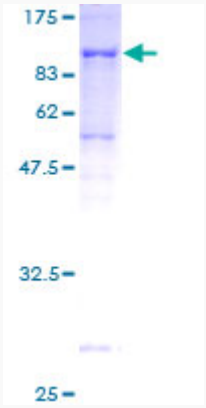
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	YPREVKQGEEFGRRIGDPQLVICMDCSADTMTNRLLQRSRSSLPVDDTTKTIAKRLE AYYRASIPVIAYYETKTQLHKINAEGTPEDVFLQLCTAIDSIF
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three 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	AK5 adenylate kinase 5 [Homo sapiens]
Official Symbol	AK5
Synonyms	AK5; adenylate kinase 5; adenylate kinase isoenzyme 5; AK 5; adenylate kinase 6; ATP-AMP transphosphorylase 5; AK6; MGC33326;
Gene ID	26289
mRNA Refseq	NM_012093
Protein Refseq	NP_036225
MIM	608009
UniProt ID	Q9Y6K8

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12.5% SDS-PAGE Stained with Coomassie Blue.

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