

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	MNTNDAKEYMARREIPQLFESLLNGLMCSKPEDPVEYLESC LQKV KELGGCDKVKW DTFVSQEKKTLPLNGGQSRRSFLRNVM PGNSNFPYRRYDRLPPIHQFSIESDTDLS ETAELIEEYEVDPTRPRPKIILVIGGPGSGKGTQSLKIAERYGFQYISVGELLRKKIHS TSSNRKWSLIAKIITTGELAPQETTITEIKQKLMQIPDEEGIVIDGFPRDVAQALSFEDQI CTPDLVVFLACANQRLKERLLKRAEQQGRPDDNVKATQRRLMNFKQNAAPLVKYF QEKGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDP SMILDTGEIIDTG SDYEDQGDDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVKEYGFT HLSTGELLREELASESERSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDG

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YPREVKQGEEFGRRIGDPQLVICMDCSADTMNRLQLQRSRSSLPVDDTTKTIKRLE
 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](#)

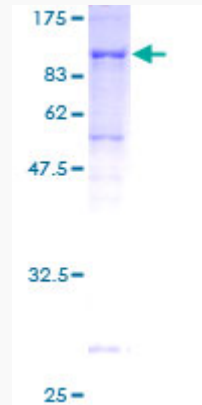
UniProt ID

[Q9Y6K8](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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