

Recombinant Full Length Human AK5 Protein, GST-tagged

Cat. No. AK5-1337HF **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	In Vitro Cell Free System
ProteinLength	562 amino acids
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	MNTNDAKEYM ARREIPQLFE SLLNGLMCSK PEDPVEYLES CLQKVKEGGLG CDKVKWDTFV SQEKKTLPL NGGQSRRSFL RNVMPGNSNF PYRRYDRLPP IHQFSIESDT DLSETAELIE EYEVFDPTRP RPKIILVIGG PGSGKGTQSL KIAERYGFQY ISVGELLRKK IHSTSSNRKW SLIAKIITTG ELAPQETTIT EIKQKLMQIP DEEGIVIDGF PRDVAQALSF EDQICTPDLV VFLACANQRL KERLLKRAEQ QGRPDDNVKA TQRRLMNFKQ NAAPLVKYFQ EKGLIMTFDA DRDEDEVFYD ISMAVDNKLK PNKEAAAGSS DLDPSMILDT GEIIDTGSDY

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EDQGDDQLNV FGEDTMGGFM EDLRKCKIIF IIGGPGSGKG TQCEKLVEKY
 GFTHLSTGEL LREELASESE RSKLIRDIME RGDVPSGIV LELLKEAMVA
 SLGDTRGFLI DGYPREVKQG EEFGRRIGDP QLVICMDCSA DTMTNRLLR
 SRSSLPVDDT TKTIKRLEA YYRASIPVIA YYETKTQLHK INAEGTPEDV
 FLQLCTAIDS IF

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

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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