

## Recombinant Full Length Human AK5 Protein, GST-tagged

Cat. No. AK5-1337HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human AK5 full-length ORF ( AAH36666, 1 a.a. - 562 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	562 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	87.56 kDa
<b>AA Sequence</b>	MNTNDAKEYM ARREIPQLFE SLLNGLMCSK PEDPVEYLES CLQKVKELGG CDKVKWDTFV SKEKKTLPPL NGGQSRRSFL RNVMPGNSNF PYRRYDRLPP IHQFSIESDT DLSETAELIE EYEVFDPTRP RPKIILVIGG PGSGKGTQSL KIAERYGFQY ISVGELLRKK IHSTSSNRKW SLIAKIITTG ELAPQETTIT EIKQKLMQIP DEEGIVIDGF PRDVAQALSF EDQICTPDLV VFLACANQRL KERLLKRAEQ QGRPDDNVKA TQRRLMNFKQ NAAPLVKYFQ EKGLIMTFDA DRDEDEVFYD ISMAVDNKLKFNKEAAGSS DLDPMSMILDT GEIIDTGS DY

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EDQGDDQLNV FGEDTMGGFM EDLRKCKIIF IIGGPGSGKG TQCEKLVEKY  
 GFTHLSTGEL LREELASESE RSKLIRDIME RGDLVPSGIV 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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