

Recombinant Human AK5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AK5-1847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AK5 MS Standard C13 and N15-labeled recombinant protein (NP_777283) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	63.2 kDa
AA Sequence	MNTNDAKEYLARREIPQLFESLLNGLMCSKPEDPVEYLESCLQKVKELGGC DKVKW DTFVSQEKKTLPLNGGQSRRSFLRNVMPENS NF PYRRYDRLPPIHQFSIESD TDLS ETAELIEEYEVDPTRPRPKIILVIGGPGSGKGTQSLKIAERYGFQYISVGELLRKKIHS TSSNRKWSLIAKIITTGELAPQETTITEIKQKLMQIPDEEGIVIDGFPRDVAQALSFEDQI CTPDLVVFLACANQRLKERLLKRAEQQGRPD DN VKATQRRLMNFKQNAAPLVKYF QEKGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDP SMILDTGEIIDTG SDYEDQGDDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVEKYGFT

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HLSTGELLREELASESERSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDG
YPREVKQGEEFGRRIGDPQLVICMDCSADTMNRLLRSSLPVDDTTKTIKRLE
AYYRASIPVIAYYETKTQLHKINAEGTPEDVFLQLCTAIDSIFTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name AK5 adenylate kinase 5 [Homo sapiens (human)]

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_174858

Protein Refseq NP_777283

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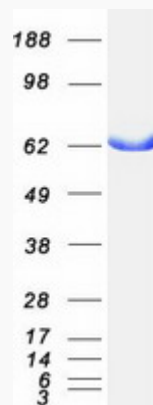
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MIM 608009

UniProt ID Q9Y6K8

SDS-PAGE



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