

## Product datasheet for PH306127

### Adenylate kinase 5 (AK5) (NM\_012093) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AK5 MS Standard C13 and N15-labeled recombinant protein (NP_036225)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206127
Predicted MW:	60.2 kDa
Protein Sequence:	>RC206127 representing NM_012093 Red=Cloning site Green=Tags(s)
	MCSKPEDPVEYLESQLQVKELGGCDKVKWDTFVSQEKKTLPLNGGQSRRSFLRNVMPGNSNFPYRRYD RLPPIHQFSIESDTDLSETAELIEEYEVFDPTPRPKIILVIGGPGSGKGTQSLKIAERYGFQYISVGEL LRKKIHSTSSNRKWSLIAKIITTGELAPQETTITEIKQKLMQIPDEEGIVIDGFPRDVAQALSFEDQICT PDLVVFLACANQRLKERLLKRAEQQGRPDNDVKATQRRLMNFQNAAPLVKYFQEKGLIMTFDADREDE VFYDISMAVDNKLFPNKEAAAGSSDLDPMSILDTGEIIDTGSYEDQGDDQLNVFGEDTMGGFMEDLRKC KIIFIIGGPGSGKGTQCEKLVEKYGFTHLSTGELLREELASESERSKLIRDIMERGDLVPSGIVLELLKE AMVASLGDTRGFLIDGYPREVKQGEFGRRIQDPQLVICMDCSADMTNRLLQRSRSSLPVDDTTKTIK RLEAYYRASIPVIAYYETKTKLHKINAEGTPEDVFLQLCTAIDSIF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_036225</a></u>
RefSeq Size:	3937
RefSeq ORF:	1608



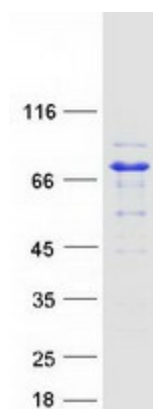
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**Synonyms:** AK6  
**Locus ID:** 26289  
**UniProt ID:** [Q9Y6K8](#)  
**Cytogenetics:** 1p31.1

**Summary:** 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]

**Protein Families:** Druggable Genome  
**Protein Pathways:** Metabolic pathways, Purine metabolism

### Product images:



Coomassie blue staining of purified AK5 protein (Cat# [TP306127]). The protein was produced from HEK293T cells transfected with AK5 cDNA clone (Cat# [RC206127]) using MegaTran 2.0 (Cat# [TT210002]).