

## Product datasheet for TP306127M

### Adenylate kinase 5 (AK5) (NM\_012093) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenylate kinase 5 (AK5), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206127 representing NM_012093 Red=Cloning site Green=Tags(s)

MCSKPEDPVEYLESCLQVKELGGCDKVKWDTFVSQEKKTLPLPNGGQSRRSFLRNVMPGNSNFPYRRYD  
RLPPIHQFSIESDTDLSETAELIEEYEVFDPTRPRPKIILVIGGPGSGKGTQSLKIAERYGFQYISVGEL  
LRKKIHSTSSNRKWSLIAKIITGELAPQETTITEIKQKLMQIPDEEGIVIDGFPRDVAQALSFDQICT  
PDLVFLACANQRLKERLLKRAEQQGRPDDNVKATQRRLMNFKQNAAPLVKYFQEKGLIMTFDADRDEDE  
VFDISMAVDNKLFPNKEAAAGSSDLDPMSMILDTGEIIDTGSYEDQGDDQLNVFGEDTMGGFMEDLRKC  
KIIFIIGGPGSGKGTQCEKLVEKYGFTHLSTGELLREELASESERSKLIRDIMERGDLVPSGIVLELLKE  
AMVASLGDTRGFLIDGYPREVKQGEEFGRRIGDPQLVICMDCSADTMTNRLLRQRSSLPVDDTTKTIK  
RLEAYRASIPVIAYYETKQLHKINAEGTPEDVFLQLCTAIDSIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	60.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP\\_036225](#)

Locus ID: 26289

UniProt ID: [Q9Y6K8](#)

RefSeq Size: 3937

Cytogenetics: 1p31.1

RefSeq ORF: 1608

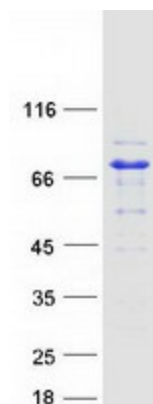
Synonyms: AK6

**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]).