

Product datasheet for **TP322241L**

Adenylate kinase 5 (AK5) (NM_174858) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenylate kinase 5 (AK5), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222241 representing NM_174858 Red =Cloning site Green =Tags(s)

MNTNDAKEYLARREIPQLFESLLNGLMCSKPEDPVEYLESCLQKVKELGGCDKVKWDTFVSQEKKTLPLPL
NNGQSRRSFLRNVMPEPNSNFPYRRYDRLPPIHQFSIESDTDLSETAELIEEYEVDPTRPRPKIILVIGG
PGSGKGTQSLKIAERYGFQYISVGELLRKKIHSTSSNRKWSLIAKIITGELAPQETTITEIKQKLMQIP
DEEGIVIDGFPRDVAQALSFDQICTPDLVFLACANQRLKERLLKRAEQQGRPDDNVKATQRRMLMNFQK
NAAPLVKYFQEKGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDPSPMILDTGEIITDGS
DYEDQGGDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVEKYGFTHLSTGELLREELASE
SE RSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDGYPREVKQGEFGRRIGDPQLVICMDCSA
DTMTNRLQRSRSLPVDTTKTIKRLEAYRASIPVIAYYETKTQLHKINAEGTPEDVFLQLCTAIDS
IF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	63.2 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.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_777283](#)

Locus ID: 26289

UniProt ID: [Q9Y6K8](#)

RefSeq Size: 3257

Cytogenetics: 1p31.1

RefSeq ORF: 1686

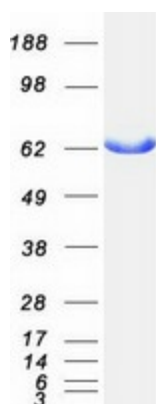
Synonyms: AK6

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# [TP322241]). The protein was produced from HEK293T cells transfected with AK5 cDNA clone (Cat# [RC222241]) using MegaTran 2.0 (Cat# [TT210002]).