

Product datasheet for PH322241

Adenylate kinase 5 (AK5) (NM_174858) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AK5 MS Standard C13 and N15-labeled recombinant protein (NP_777283)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222241
Predicted MW:	63.2 kDa
Protein Sequence:	>RC222241 representing NM_174858 Red=Cloning site Green=Tags(s)

MNTNDAKEYLARREIPQLFESLLNGLMCSKPEDPVEYLESCLQKVKELGGCDKVKWDTFVSQEKKTLPLP
 NGGQSRRSFLRNVPENSNFPYRRYDRLPPIHQFSIESDSDLSETAELIEEYEVDPTRPRPKIILVIGG
 PGSGKGTQSLKIAERYGFQYISVGELLRKKIHSTSSNRKWSLIAKIITTGELAPQETTITEIKQKLMQIP
 DEEGIVIDGFPRDVAQALSFDQICTPDLVVFLACANQRLKERLLKRAEQGRPDDNVKATQRRLLMNFQK
 NAAPLVKYFQEKGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDPSSMILDTGEIIDTGS
 EDQDDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVEKYGFTHLSTGELLREELASE
 RSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDGYPREVKQGEFGRRIIDPQLVICMDCSA
 DTMTNRLLRSRSSLPVDDTTKIAKRLEAYYRASIPVIAYYETKQLHKINAEGTPEDVFLQLCTAIDS
 IF

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:	NP_777283
RefSeq Size:	3257
RefSeq ORF:	1686



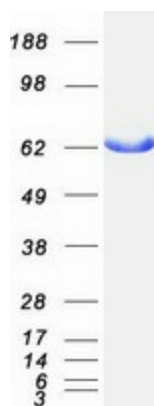
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Synonyms: AK6
Locus ID: 26289
UniProt ID: [Q9Y6K8](#)
Cytogenetics: 1p31.1

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