

Product datasheet for **TP524918**

Ak5 (NM_001081277) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse adenylate kinase 5 (Ak5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224918 representing NM_001081277 Red =Cloning site Green =Tags(s)
	<p>MNTNDAKEYLARRDIPQLFESLLNGLMCSKPEDPIEYLETCLQKVKELGGCDKVKWDTFVSQEKKTLPPPL NGGQSRRSFLRNVMPENSNFPYRRYDRLPPIHQFSIESDTDLSETAELIEEYEVFDPTRPRPKIILVIGG PGSGKGTQSLKIAERYGFQYISVGELLRKKIHSASSNRKWSLIAKIITNGELAPQETTITEIKQKLMQIP DEEGIVIDGFPRDVAQALSFEQICTPDLVFLACANQRLKERLQKRAEQQGRPDDNLKATQRRLLVNFQK NAAPLVKYFQEKGLIVTFDADRDEDVAFHDISVAVDSKLFNKEAPMDSSLDPSMMFDAGEIIDTGSDY DNQDDDQLNVFGEDTEGGFMEDLRKCKIIFLMGGPGSGKGTQCEKLAEKYGFTHLSTGELLRQELTSESE RSKLIRDIMERGDLVPSGVLELLKEAMVASLGNTKGFIDGYPREVKQGEEFGRRIGDPHLVICMDCSA DTMTNRLQRSQSSQRGEDGAKSIAKRLEAYHRASIPVWVYYERKTQLRKVNAEGTPEQVFLQLCTAIDS VF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	63.8 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001074746](#)

Locus ID: 229949

UniProt ID: [Q920P5](#)

RefSeq Size: 3103

Cytogenetics: 3 H3

RefSeq ORF: 1686

Summary: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Active on AMP and dAMP with ATP as a donor. When GTP is used as phosphate donor, the enzyme phosphorylates AMP, CMP, and to a small extent dCMP. Also displays broad nucleoside diphosphate kinase activity.[UniProtKB/Swiss-Prot Function]