Product datasheet for TP521761

Ak4 (NM_001177602) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse adenylate kinase 4 (Ak4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221761 representing NM_001177602 Red=Cloning site Green=Tags(s) MASKLLRAVILGPPGSGKGTVCERIAQNFGLQHLSSGHLLRENLKTGTEVGDVAKQYLEKGLLVPDHVIT RLMMSELETRSAQHWLLDGFPRTLVQAEALDGICDVDLVISLNIPFETLKDRLSRRWIHPSSGRVYNLDF NPPQVQGIDDITGEPLVQQEDDKPEAVAARLRRYKDAAKPVIELYKSRGVLHQFSGTETNRIWPYVYTLF SNKITPIQSKEAY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.1 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
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.
RefSeq:	NP_001171073
Locus ID:	11639
UniProt ID:	Q9WUR9, Q3U489
RefSeq Size:	5136

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Cytogenetics:	4 46.84 cM
RefSeq ORF:	669
Synonyms:	Ak-3; Ak-4; Ak3; Ak3l1; AK 4; D4Ertd274e
Summary:	Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Efficiently phosphorylates AMP and dAMP using ATP as phosphate donor, but phosphorylates only AMP when using GTP as phosphate donor. Also displays broad nucleoside diphosphate kinase activity.[UniProtKB/Swiss-Prot Function]