

Product datasheet for **TP502803**

Ak2 (NM_016895) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse adenylate kinase 2 (Ak2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR202803 protein sequence
Red=Cloning site **Green**=Tags(s)

MAPNVLASEPEIPKGIKAVLLGPPGAGKGTQAPKLAENFCVCHLATGDMMLRAMVASGSELGKKLKATMDA
GKLVSDVMVELIEKNLETPSCKNGFLLDGFPRTVRQAEMLDLMEKRKEKLDVIEFSIQDSSLIRIT
GRLIHPKSGRSYHEEFNPPKEPMKDDITGEPLIRRSDDNEKALKTRLEAYHTQTTPLEYYRKRGIHCAI
DASQTPDIVFASILAAFSKATS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 25.6 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_058591](#)

Locus ID: 11637

UniProt ID: [Q9WTP6](#)

RefSeq Size: 1781



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Cytogenetics: 4 62.62 cM

RefSeq ORF: 699

Synonyms: Ak-2; D4Ertd220e

Summary: Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.[UniProtKB/Swiss-Prot Function]