

Product datasheet for **TP506683**

Cmpk2 (NM_020557) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (Cmpk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR206683 protein sequence
Red=Cloning site **Green**=Tags(s)

MGTMARPRRFTVELPDCSLTHFVLGDATDHRDARLAELLGPPGRSYALCVPLAPGEGCGPRVQAARVHHR
LLQQLRRGPLQRCQLSKLLGYGPGDQAGEAQHGFLLRDPCDHPDTRRDLQLLQSGCQEAAARPQLAEFQAD
SQGLLWQRLWELQGDRQVQVDCACVLP AQEPHLHPLL PDLN SAVFQDRDAARAVLEECTSFIPEARAVL
DLVDQCPKEVQKGFQVIAIEGLDATGKTTLTQSVSESLKAVLLQSPPPCISQWRKIFDDEPTIIRAFY
SLGNLVASEIAKESTNFPVIVDRYWHSTATYAIATEVSGGLQYLPPAHPVYQWPGDLLKPDVLLLLTV
NSEERVRLQGRGQEKTKEEAELEANNVFRQKVEMTYQRMENPSCHLV DASPSRETVLQKVLELIQSSGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 46.9 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_065582](#)
Locus ID: 22169
UniProt ID: [Q3U5Q7](#)



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RefSeq Size:	3215
Cytogenetics:	12 9.69 cM
RefSeq ORF:	1263
Synonyms:	1200004E04Rik; TDKI; Tyki
Summary:	May participate in dUTP and dCTP synthesis in mitochondria. Is able to phosphorylate dUMP, dCMP, CMP, UMP and monophosphates of the pyrimidine nucleoside analogs ddC, dFdC, araC, BVDU and FdUrd with ATP as phosphate donor. Also displays broad nucleoside diphosphate kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]