

Recombinant Mouse Cmpk2 Protein, Myc/DDK-tagged

Cat. No. Cmpk2-2209M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (Cmpk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	46.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Cmpk2 cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial [Mus musculus (house mouse)]
Official Symbol	Cmpk2
Synonyms	CMPK2; cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial; UMP-CMP kinase 2, mitochondrial; thymidylate kinase homologue; thymidylate kinase LPS-inducible member; TDKI; Tyki; 1200004E04Rik
Gene ID	22169
mRNA Refseq	NM_020557
Protein Refseq	NP_065582
UniProt ID	Q3U5Q7

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