

Recombinant Mouse Cmpk1 Protein, Myc/DDK-tagged

Cat. No. Cmpk1-2208M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytidine monophosphate (UMP-CMP) kinase 1 (Cmpk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the phosphorylation of pyrimidine nucleoside monophosphates at the expense of ATP. Plays an important role in de novo pyrimidine nucleotide biosynthesis. Has preference for UMP and CMP as phosphate acceptors. Also displays broad nucleoside diphosphate kinase activity.
Molecular Mass	25.8 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	Cmpk1 cytidine monophosphate (UMP-CMP) kinase 1 [Mus musculus (house mouse)]
Official Symbol	Cmpk1
Synonyms	Cmpk1; cytidine monophosphate (UMP-CMP) kinase 1; CK; Cmp; Cmpk; UMP-CMPk; 0610011D08Rik; UMP-CMP kinase; UMP/CMPK; cytidine monophosphate kinase; cytidylate kinase 1; dCMP kinase; deoxycytidylate kinase; likely ortholog of H. sapiens UMP-CMP kinase (UMP-CMPK); nucleoside-diphosphate kinase; uridine monophosphate kinase; uridine monophosphate/cytidine monophosphate kinase; EC 2.7.4.14; EC 2.7.4.6
Gene ID	66588
mRNA Refseq	NM_025647
Protein Refseq	NP_079923
UniProt ID	Q9DBP5

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