

Active Recombinant Full Length Human CMPK1 Protein, C-Flag-tagged

Cat. No. CMPK1-639HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CMPK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes one of the enzymes required for cellular nucleic acid biosynthesis. This enzyme catalyzes the transfer of a phosphate group from ATP to CMP, UMP, or dCMP, to form the corresponding diphosphate nucleotide. Alternate splicing results in both coding and non-coding transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme activity
Molecular Mass	25.7 kDa
AA Sequence	MLSRCRSRLHVLGLSFLQTRRPILLCSPLMKPLVVFVLGGPGAGKGTQCARIVE KYGYTHLSAGELL RDERKNPDSQYGELIEKYIKEGKIVPVEITISLLKREMDQTMAAN AQKNKFLIDGFPRNQDNLQGWNKTM DGKADVSFVLFFDCNNEICIERCLERGKSSG RSDDNRESLEKRIQTYLQSTKPIIDLYEEMGKVKKIDAS KSVDEVFDEVVQIFDKEGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Pyrimidine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	CMPK1 cytidine/uridine monophosphate kinase 1 [Homo sapiens (human)]
Official Symbol	CMPK1
Synonyms	CK; CMK; UMK; CMPK; UMPK; UMP-CMPK
Gene ID	51727
mRNA Refseq	NM_016308.3
Protein Refseq	NP_057392.1

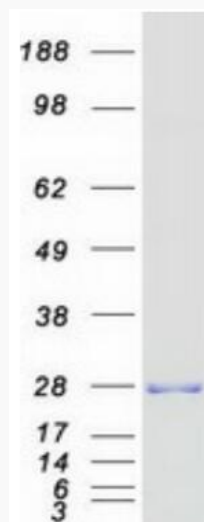
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MIM 191710

UniProt ID P30085



Coomassie blue staining of purified CMPK1 protein.

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