

## Product datasheet for **TP304856M**

### **CMPK1 (NM\_016308) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human cytidine monophosphate (UMP-CMP) kinase 1, cytosolic (CMPK1), transcript variant 1, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC204856 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MLSRCRSRLHVLGLSFLQTRRPILLCSPLMKPLVWFVLGGPGAGKGTQCARIVEKYGYTHLSAGELL  
RDERKNPDSQYGELIEKYIKEGKIVPVEITISLLKREMDQTMAANAQKNKFLIDGFPRNQDNLQGWNKTM  
DGKADVSFVLFDCNNEICIERCLERKSSGRSDDNRESLEKRIQTYLQSTKPIIDL YEEMGKVKKIDAS  
KSVDEVFDEVVQIFDKEG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 25.7 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

**Bioactivity:** Enzyme activity (PMID: [26167664](https://pubmed.ncbi.nlm.nih.gov/26167664/))

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**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.

**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\\_057392](https://ncbi.nlm.nih.gov/RefSeq/ accession/NP_057392)



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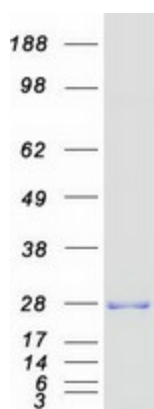
Locus ID:	51727
UniProt ID:	<a href="#">P30085</a>
RefSeq Size:	2956
Cytogenetics:	1p33
RefSeq ORF:	684
Synonyms:	CK; CMK; CMPK; UMK; UMP-CMPK; UMPK

**Summary:** 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. [provided by RefSeq, Feb 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Pyrimidine metabolism

### Product images:



Coomassie blue staining of purified CMPK1 protein (Cat# [TP304856]). The protein was produced from HEK293T cells transfected with CMPK1 cDNA clone (Cat# [RC204856]) using MegaTran 2.0 (Cat# [TT210002]).