

## Product datasheet for **TP304856**

### **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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204856 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MLSRCRSRLHVLGLSFLQTRRPILLCSPRMLKPLVWFVLGGPGAGKGTQCARIVEKYGYTHLSAGELL RDERKNPDSQYGELIEKYIKEGKIVPEITISLLKREMDQTMAANAQKNKFLIDGFPRNQDNLQGWNKTM DGKADVSVLFFDCNNEICIERCLERKSSGRSDDNRESLEKRIQTYLQSTKPIIDL YEEMGKVKKIDAS KSVDEVFDEVVQIFDKEG</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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: <a href="#">26167664</a> )
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:	<a href="#">NP_057392</a>



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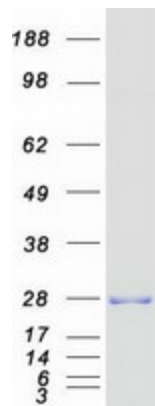
Locus ID: 51727  
UniProt ID: [P30085](#)  
RefSeq Size: 2956  
Cytogenetics: 1p33  
RefSeq ORF: 684  
Synonyms: CK; CMK; CMPK; UMK; UMP-CMPK; UMPK

**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]).