

Datasheet for ABIN2712896

**Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1) (Transcript Variant 1) protein (Myc-DYKDDDDK Tag)**[Go to Product page](#)[1 Image](#)[1 Publication](#)

## Overview

Quantity:	20 µg
Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Myc-DYKDDDDK Tag
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human CMPK1 (transcript variant 1) protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Alternative Name:	Cmpk1 ( <a href="#">CMPK1 Products</a> )
Background:	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.

## Target Details

Molecular Weight:	25.7 kDa
NCBI Accession:	<a href="#">NP_057392</a>
Pathways:	<a href="#">Nucleotide Phosphorylation</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

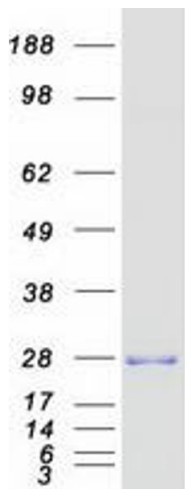
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

## Publications

Product cited in:	Sjuvarsson, Marquez, Eriksson et al.: "Selective Phosphorylation of South and North-Cytidine and Adenosine Methanocarpa-Nucleosides by Human Nucleoside and Nucleotide Kinases Correlates with Their Growth Inhibitory Effects on Cultured ..." in: <b>Nucleosides, nucleotides &amp; nucleic acids</b> , Vol. 34, Issue 8, pp. 544-64, (2015) ( <a href="#">PubMed</a> ).
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Western Blotting

**Image 1.** Validation with Western Blot