

Datasheet for ABIN7195354

**Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1) protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Recombinant Human CMPK1 Protein (His Tag)
Sequence:	Met 1-Gly 196
Characteristics:	A DNA sequence encoding the human CMPK1 (P30085) (Met1-Gly196) was fused with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Alternative Name:	CMPK1 ( <a href="#">CMPK1 Products</a> )
Background:	Background: CMPK1 plays a key role in the maintenance of pyrimidine nucleotide pool profile and for the metabolism of pyrimidine analogs in cells. It catalyzes the phosphoryl transfer from ATP to UMP, CMP, and deoxy-CMP (dCMP), resulting in the formation of ADP and the

## Target Details

corresponding nucleoside diphosphate. CMPK1 also has a significant role in the activation of pyrimidine analogs, which are clinically useful anti-cancer and anti-viral drugs. In the meanwhile, CMPK1 functions in cellular nucleic acid biosynthesis.

Synonym: CK,CMK,CMPK,UMK,UMP-CMPK,UMPK

Molecular Weight: 24.5 kDa

UniProt: [P30085](#)

Pathways: [Nucleotide Phosphorylation](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

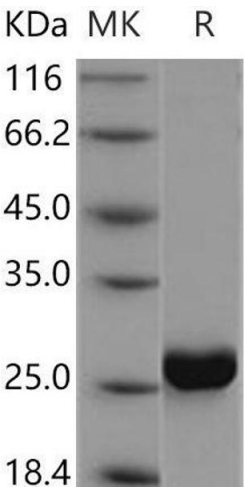
Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

## Images



### Western Blotting

Image 1.