

Datasheet for ABIN667894

Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1) (AA 1-228) protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Protein Characteristics:	AA 1-228
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	CMPK1, 1-228aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Alternative Name:	CMPK1 (CMPK1 Products)
Background:	CMPK1, also known as UMP-CMP kinase and deoxycytidylate kinase, is an enzyme that catalyzes the phosphoryl transfer from ATP to UMP, CMP and dCMP. This enzymatic reaction leads to the formation of ADP and the corresponding nucleoside diphosphate, which are required for cellular nucleic acid synthesis. It also plays an important role in the activation of pyrimidine analogs, which are clinically useful anti-cancer and anti-viral drugs. Recombinant

Target Details

	human CMPK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Synonyms: UMP-CMP kinase, CMK, CMPK, RP11-511I2.1, UMK, UMP-CMPK, UMPK. NCBI no.: NP_057392
Molecular Weight:	28.0 kDa (248aa), confirmed by MALDI-TOF
Pathways:	Nucleotide Phosphorylation , Ribonucleoside Biosynthetic Process

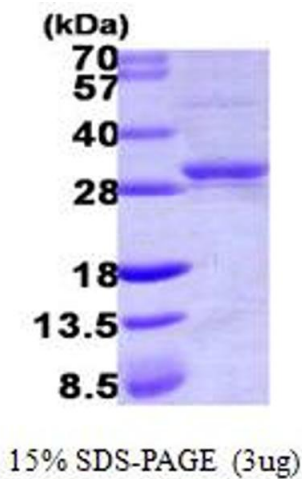
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1.0 mg/ml (determined by Bradford assay)
Buffer:	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT, 100mM NaCl
Storage:	4 °C

Images



SDS-PAGE

Image 1.