

CMPK1, 1-228aa, Human, His tag, E.coli

Cat.NO.: TP01657

3th Edition

Synonyms:UMP-CMP kinase, CMK, CMPK, RP11-511I2.1, UMK, UMP-CMPK, UMPK

Description: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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT, 100mM NaCl

Molecular Weight:28.0 kDa (248aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMLSRCRSGLLHVLGLSFLLQTRRPILLCSPLRMKPLVVFVLGGPGAGKGTQCARI
VEKYGYTHLSAGELLRDERKNPDSQYGELIEKYIKEGKIVPVEITISLLKREMDQTMAANAQKNKFLIDGFPRNQDNL
QGWNKTMDGKADVSVLFFDCNNEICIERCLERKSSGRSDDNRESLEKRIQTYLQSTKPIIDL YEEMGKVKKIDAS
KSVDEVFDEVVQIFDKEG

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.