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32-2989: CMPK1 Recombinant Protein

Alternative Name :	UMP-CMP kinase,Cytidine monophosphate kinase,Cytidylate kinase,Deoxycytidylate kinase,Uridine monophosphate kinase,Uridine monophosphate/cytidine monophosphate kinase,UMP/CMP kinase,UMP/CMPK,CMPK1,CMK,CMPK,UCK,UMK,UMPK,UMP-CMPK,RP11-51

Description

Source : Escherichia Coli. CMPK1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 248 amino acids (1-228) and having a molecular mass of 28kDa. CMPK1 is fused to a 20 a.a His-Tag at N-terminus and purified by proprietary chromatographic techniques. UMP-CMP kinase and deoxycytidylate kinase (CMPK1) is an enzyme which catalyzes the phosphoryl transfer from ATP to UMP, CMP and dCMP. This enzymatic reaction brings about the formation of ADP and the corresponding nucleoside diphosphate that are necessary for cellular nucleic acid synthesis. In addition, CMPK1 has a significant role in the activation of pyrimidine analogs, which are clinically useful anti-cancer and anti-viral drugs.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CMPK1 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 100mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MLSRCRSGLL HVLGLSFLLQ TRRPILLCSP RLMKPLVVFV LGGPGAGKGT QCARIVEKYG YTHLSAGELL RDERKNPDSQ YGELIEKYIK EGKIVPVEIT ISLLKREMDQ TMAANAQKNK FLIDGFPRNQ DNLQGWNKTM DGKADVSFVL FFDCNNEICI ERCLERGKSS GRSDDNRESL EKRIQTYLQS TKPIIDLYEE MGKVKKIDAS KSVDEVFDEV VQIFDKEG.

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