

Cytidine Monophosphate Kinase 1 Human Recombinant

Item Number	rAP-1660
Synonyms	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, RP11-51112.1
Description	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 His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P30085
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MLSRCRSGLL HVLGLSFLQ TRRPILLCSP RLMKPLVVFV LGG-PGAGKGT QCARIVEKYG YTHLSAGELL RDERKNPDSQ YGELIEKYIK EGKIVPEIT ISLLKREMDQ TMAANAQKNK FLIDGFPRNQ DNLQGWNTM DGKADVSFVL FFDCNNEICI ERCLERKSS GRSDDN-RESL EKRIQTYLQS TKPIIDLYEE MGKVKKIDAS KSVDEVFDEV VQIFDKEG.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	CMPK1 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 100mM NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**