

Recombinant Human CMPK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CMPK2-6175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CMPK2 MS Standard C13 and N15-labeled recombinant protein (NP_997198) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of the enzymes in the nucleotide synthesis salvage pathway that may participate in terminal differentiation of monocytic cells. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	49.3 kDa
AA Sequence	MAFARRLLRGPLSGPLLGRRGVCAGAMAPRRFVLELPDCTLAHFALGADAPGDAD APDPRLAALLGPPERSYSLCVPVTPDAGCGARVRAARLHQRLHQLRRGPFQRCQL LRLLCYCPGGQAGGAQQGFLLRDPLDDPDTRQALLELLGACQEAPRPHLGEFEADP RGQLWQRLWEVQDGRRLQVGCAQVVPVPEPPLHPVVPDLPSSVVFPDREAARAVL EECTSFIEPARAVLDLVDQCPKQIQKGKFQVVAIEGLDATGKTTVTQSVADSLKAVLL KSPSPCIGQWRKIFDDEPTIIRRAFYS LGNYIVASEIAKESAKSPVIVDRYWHSTATYAI ATEVSGGLQHLPPAHPVYQWPEDLLKPDILLT VSPEERLQRLQGRGMEKTREE AELEANSVFRQKQVEMSYQRMENPGCHVVDASPSREKVLQTVLSLIQNSFSEPTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	CMPK2 cytidine/uridine monophosphate kinase 2 [Homo sapiens (human)]
Official Symbol	CMPK2
Synonyms	CMPK2; cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial; UMP-CMP kinase 2, mitochondrial; cytidylate kinase 2; TYKi; UMP CMPK2; mitochondrial UMP-CMP kinase; thymidine monophosphate kinase 2; thymidylate kinase family LPS-inducible member; TMPK2; UMP-CMPK2;
Gene ID	129607
mRNA Refseq	NM_207315
Protein Refseq	NP_997198
MIM	611787
UniProt ID	Q5EBM0