

Product datasheet for **TP318794L**

CMPK2 (NM_207315) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (CMPK2), nuclear gene encoding mitochondrial protein, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC218794 representing NM_207315
Red=Cloning site **Green**=Tags(s)

MAFARRLLRGPLSGPLLGRRGVCAGAMAPRRFVLELPDCTLAHFALGADAPGDADAPDPRLAALLGPPE
RSYSLCVPVTPDAGCGARVRAARLHQRLHQLRRGPFQRCQLLRLLCYCPGGQAGGAQQGFLLRDLDDP
DTRQALLELLGACQEAPRPHLGEFEADPRGQLWQRLWEVQDGRRLQVGAQVVPVPEPLHPVVPDLSS
VVFDPREAAAVLEECTSFIPEARAVLDLVDQCPKQIQKGFQVVAIEGLDATGKTTVTQSVADSLKAVL
LKSPSCIGQWRKIFDDEPTIIRAFYSLGNYIVASEIAKESAKSPVIVDRYWHSTATYAIATEVSGGLQ
HLPPAHPVYQWPEDLLKPDLLLLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQKVEMSYQRMENP
GCHVVDASPSREKVLQTVLSLIQNSFSEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 49.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_997198](#)

Locus ID: 129607

UniProt ID: [Q5EBM0](#)

RefSeq Size: 3009

Cytogenetics: 2p25.2

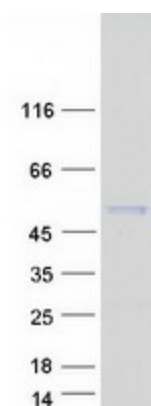
RefSeq ORF: 1347

Synonyms: NDK; TMPK2; TYKi; UMP-CMPK2

Summary: 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. [provided by RefSeq, Feb 2012]

Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified CMPK2 protein (Cat# [TP318794]). The protein was produced from HEK293T cells transfected with CMPK2 cDNA clone (Cat# [RC218794]) using MegaTran 2.0 (Cat# [TT210002]).