

Product datasheet for TP318794M

CMPK2 (NM_207315) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (CMPK2), nuclear gene encoding mitochondrial protein, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC218794 representing NM_207315 Red=Cloning site Green=Tags(s) |

MAFARRLLRGPLSGPLLGRRGVCAGAMAPRRFVLELPDCTLAHFALGADAPGDADAPDPRLAALLGPPE
RSYSLCVPVTPDAGCGARVRAARLHQRLHQLRRGPFQRCQLLRLLCYCPGGQAGGAQQGFLLRDLDDP
DTRQALLELLGACQEAPRPHLGEFEADPRGQLWQRLWEVQDGRRLQVGAQVVPVPEPLHPVVDLPS
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

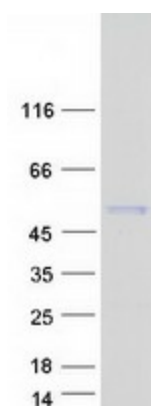
RefSeq ORF: 1347

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]).