

## Recombinant Human CMPK1 protein, His-tagged

Cat. No. CMPK1-8645H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CMPK1 protein(P30085) (Met1-Gly196) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                            |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-196 aa                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol.                                                                                                                                            |
| <b>Molecular Mass</b>   | The recombinant human CMPK1 consists of 214 amino acids and has a calculated molecular mass of 24.5 kDa. The recombinant protein migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                   |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.                                                                                                                                                                                |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                             |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                    |

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## GENE INFORMATION

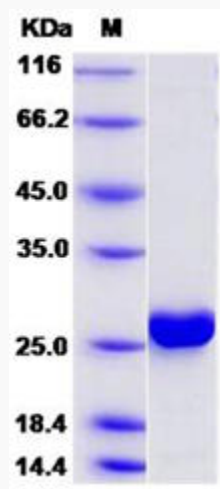
|                        |                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic [ Homo sapiens ]                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b> | CMPK1                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | CMPK1; cytidine monophosphate (UMP-CMP) kinase 1, cytosolic; CMPK, cytidylate kinase; UMP-CMP kinase; Cytidine monophosphate kinase; UMP CMP kinase; UMP CMPK; UMP/CMP kinase; cytidylate kinase; deoxycytidylate kinase; uridine monophosphate kinase; uridine monophosphate/cytidine monophosphate kinase; CMK; UMK; CMPK; UMPK; UMP-CMPK; RP11-511I2.1; |
| <b>Gene ID</b>         | 51727                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_001136140                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001129612                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 191710                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>      | P30085                                                                                                                                                                                                                                                                                                                                                     |

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SDS-PAGE



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