

Product datasheet for PH304856

CMPK1 (NM_016308) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | CMPK1 MS Standard C13 and N15-labeled recombinant protein (NP_057392) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC204856 |
| Predicted MW: | 26 kDa |
| Protein Sequence: | >RC204856 protein sequence Red=Cloning site Green=Tags(s) <p>MLSRCRSRLHLVGLSFLQTRRPILLCSPLMKPLVVFVLGGPGAGKGTQCARIVEKYGYTHLSAGELL RDERKNPDSQYGELIEKYIKEGKIVPEITISLLKREMDQMAANAQKNKFLIDGFPRNQDNLQGWNKTM DGKADVSFVLFDCNNEICIERCLERKSSGRSDDNRESLEKRIQTYLQSTKPIIDL YEEMGKVKKIDAS KSVDEVFDEVVQIFDKEG</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_057392 |
| RefSeq Size: | 2956 |
| RefSeq ORF: | 684 |
| Synonyms: | CK; CMK; CMPK; UMK; UMP-CMPK; UMPK |
| Locus ID: | 51727 |
| UniProt ID: | P30085 |



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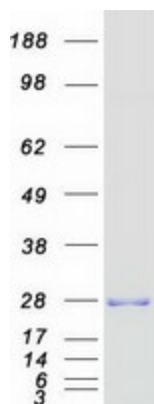
Cytogenetics: 1p33

Summary: This gene encodes one of the enzymes required for cellular nucleic acid biosynthesis. This enzyme catalyzes the transfer of a phosphate group from ATP to CMP, UMP, or dCMP, to form the corresponding diphosphate nucleotide. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Feb 2012]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified CMPK1 protein (Cat# [TP304856]). The protein was produced from HEK293T cells transfected with CMPK1 cDNA clone (Cat# [RC204856]) using MegaTran 2.0 (Cat# [TT210002]).