

## Recombinant Human CPNE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CPNE1-2151H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CPNE1 MS Standard C13 and N15-labeled recombinant protein (NP_690902) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the encoded protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. This gene and the gene for RNA binding motif protein 12 overlap at map location 20q11.21. Alternate splicing results in multiple transcript variants encoding different proteins. |
| <b>Molecular Mass</b>   | 59.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MAHCVTLVQLSISCDHLIDKDIGSKSDPLCVLLQDVGGGSWAELGRTERVRNCSSPE<br>FSKTLQLEYRFETVQKLRFGIYDIDNKTPELRDDDFLGGAECSLGQIVSSQVLTPLM<br>LKPGKPAGRGTTITVSAQELKDNRVVTMEVEARNLDKKDFLGKSDPFLEFFRQGDGK<br>WHLVYRSEVIKNNLNPTWKRFSVPVQHFCGGNPSTPIQVQCSDYDSDGSHDLIGTF                                                                                                                                                                                                                                                                                                                                                                                                                             |

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HTSLAQLQAVPAEFECIHPEKQQKKKSYKNSGTIRVKICRVETEYSFLDYVMGGCQI  
 NFTVGVDFTGSNGDPSSPSDSLHYLSPTGVNEYLMALWSVGSVVQDYDSDKLFPAF  
 GFGAQVPPDWQVSHEFALNFNPSNPYCAGIQGIVDAYRQALPQVRLYGPTNFAPIIN  
 HVARFAAQAAHQGTASQYFMLLLLTGAVTDVEATREAVVRASNLPMSVIIVGVGGA  
 DFEAMEQLDADGGPLHTRSGQAAARDIVQFVPYRRFQNAPREALAQTVLAEVPTQL  
 VSYFRAQGWAPLKPLPPSAKDPAQAPQATRTRPLEQKLISEEDLAANDILDYKDDDD  
 KV

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

**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** CPNE1 copine I [ Homo sapiens (human) ]

**Official Symbol** CPNE1

**Synonyms** CPNE1; copine I; copine-1; CPN1; COPN1; MGC1142;

**Gene ID** 8904

**mRNA Refseq** NM\_152925

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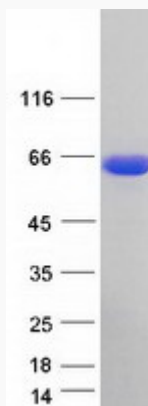
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**Protein Refseq** NP\_690902

**MIM** 604205

**UniProt ID** Q99829

**SDS-PAGE**



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