

## Recombinant Human CPE Protein, MYC/DDK-tagged

Cat. No. CPE-3307H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human CPE protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | <p>This gene encodes a member of the M14 family of metallocarboxypeptidases. The encoded preproprotein is proteolytically processed to generate the mature peptidase. This peripheral membrane protein cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. This protein may also function independently of its peptidase activity, as a neurotrophic factor that promotes neuronal survival, and as a sorting receptor that binds to regulated secretory pathway proteins, including prohormones. Mutations in this gene are implicated in type 2 diabetes.</p> |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.  |
| <b>Molecular Mass</b>   | 50.8 kDa   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method   |

### GENE INFORMATION

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|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | CPE carboxypeptidase E [ Homo sapiens ] |
| <b>Official Symbol</b> | CPE                                     |
| <b>Synonyms</b>        | CPH; CPH                                |
| <b>Gene ID</b>         | 1363                                    |
| <b>mRNA Refseq</b>     | NM_001873                               |
| <b>Protein Refseq</b>  | NP_001864                               |
| <b>MIM</b>             | 114855                                  |
| <b>UniProt ID</b>      | P16870                                  |

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