

## Recombinant Human CPQ Protein, His-tagged

**Cat. No.** CPQ-255H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CPQ fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Carboxypeptidase that may play an important role in the hydrolysis of circulating peptides. Catalyzes the hydrolysis of dipeptides with unsubstituted terminals into amino acids. May play a role in the liberation of thyroxine hormone from its thyroglobulin (Tg) precursor. |
| <b>Form</b>             | 25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl. Store at -80centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.                                                         |
| <b>Molecular Mass</b>   | 51.9 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

|                  |                                         |
|------------------|-----------------------------------------|
| <b>Gene Name</b> | CPQ carboxypeptidase Q [ Homo sapiens ] |
|------------------|-----------------------------------------|

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|                 |                 |
|-----------------|-----------------|
| Official Symbol | CPQ             |
| Synonyms        | LDP; PGCP; CPQ; |
| Gene ID         | 10404           |
| mRNA Refseq     | NM_016134.2     |
| Protein Refseq  | NP_057218.1     |
| UniProt ID      | Q9Y646          |

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