

# Recombinant Mouse CPQ/PGCP Protein (His Tag)

Catalog Number:PKSM041123



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

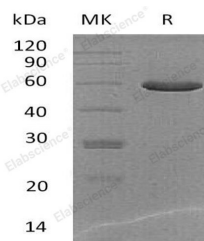
## Description

|                                    |   |
|------------------------------------|---|
| <b>Synonyms</b>                    | PGCP;Carboxypeptidase Q;Hematopoietic lineage switch 2;Plasma glutamate carboxypeptidase;Cpq;Hls2 |
| <b>Species</b>                     | Mouse   |
| <b>Expression Host</b>             | HEK293 Cells  |
| <b>Sequence</b>                    | Lys19-Ser470  |
| <b>Accession</b>                   | Q9WVJ3  |
| <b>Calculated Molecular Weight</b> | 50.8 kDa  |
| <b>Observed molecular weight</b>   | 60 kDa  |
| <b>Tag</b>                         | C-His   |

## Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.   |
| <b>Shipping</b>       | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C. |
| <b>Formulation</b>    | Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.   |
| <b>Reconstitution</b> | Not Applicable   |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Carboxypeptidase Q (Cpq) is a member of the peptidase M28 family. PGCP is involved in a number of fundamental biological processes such as the hydrolysis of circulating peptides, catalyzing the hydrolysis of dipeptides with unsubstituted terminals into amino acids. Carboxypeptidase may play an important role in the liberation of thyroxine hormone from its thyroglobulin (Tg) precursor. The monomeric form is inactive while the homodimer is active.

## For Research Use Only

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