



Recombinant Protein Technical Manual  
Recombinant Mouse CPQ/PGCP Protein (His Tag)  
RPES2565

### Product Data:

**Product SKU:** RPES2565

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q9WVJ3

### Protein Information:

**Molecular Mass:** 50.9 kDa

**AP Molecular Mass:** 60kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** 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.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** PGCP;Carboxypeptidase Q;Hematopoietic lineage switch 2;Plasma glutamate carboxypeptidase;Cpq;Hls2

## Immunogen Information:

**Sequence:** Lys19-Ser470

## 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.