

## 32-8486: Recombinant Mouse Plasma Glutamate Carboxypeptidase/PGCP (C-6His)

**Gene :** Cpq  
**Gene ID :** 54381  
**Uniprot ID :** Q9WVJ3

### Description

Source: Human Cells.  
MW :50.9kD.

Recombinant Mouse Plasma glutamate carboxypeptidase is produced by our Mammalian expression system and the target gene encoding Lys19-Ser470 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** KAVFKNGVSQRTFREIKEEIANYEDVAKAIINLAVYGKYQNSYERLGLLVDTVGPRLSGSKNLEKAIQIMYQNLQ  
QDGLNVHLEQVRIPHWERGEESAVMLEPRIHKMAILGLGSSIGTPPGGITAEVLVVASFDELQRRASEARGKII  
VYNQPYTGYEKTVYRVQGAVEAAKVGAVASLIQSVASFSIYSPHTGIQKYQDGVPKIPTACITVEDAEMMSRM  
ASRGNKIVIHLEMGAKTYPDTDSFNTVAEITGSMYPPEEVLVSGHLDSWDVGGALDDGGGAFISWEALSLVK  
DLGLRPKRTLRLVLWTAEEQGGIGASQYYELHKANISKYSLVMEADSGTFLPTGLQFTGSDKARAIMKEVMNLL  
QPLNVTKVFSNGEGTDINFWIQAGVPGASLRDDLYKYFFHHSHGDTMTVMDPKQMNVAADVAVVAVVVA  
DMDEMLPRVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.