

# Recombinant human Carboxypeptidase A4/CPA4 protein

Catalog Number: ATGP3312

## PRODUCT INFORMATION

---

### Expression system

Baculovirus

### Domain

17-421aa

### UniProt No.

Q9UI42

### NCBI Accession No.

NP\_057436

### Alternative Names

Carboxypeptidase A4, CPA4, CPA3

## PRODUCT SPECIFICATION

---

### Molecular Weight

46.6 kDa (413aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

CPA4, also known as carboxypeptidase A4, is a secreted, zinc-dependent metallo-carboxypeptidase that removes the C-terminal amino acid from peptides having a free C-terminal carboxyl group. CPA4 is synthesized as zymogens that are activated by proteolytic cleavage. Recombinant human CPA4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# Recombinant human Carboxypeptidase A4/CPA4 protein

Catalog Number: ATGP3312

## Amino acid Sequence

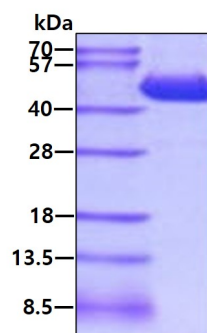
GQEKFFGDQV LRINVRNGDE ISKLSQLVNS NNLKLNFWKS PSSFNRPVDV LVPSVSLQAF KSFLRSQGLE YAVTIEDLQA  
LLDNEDDEM QHNEGQERSSN NFNYGAYHSL EAIYHEMDNI AADFPDLARR VKIGHSFENR PMYVLKFSTG KGVRRPAVWL  
NAGIHSREWI SQATAIWTAR KIVSDYQRDP AITSILEKMD IFLLPVANPD GYVYTQTQNR LWRKTRSRNP GSSCIGADPN  
RNWNASFAGK GASDNPCEV YHGPHANSEV EVKSVVDFIQ KHGNFKGFID LHSYSQLLMY PYGYSVKKAP DAEELDKVAR  
LAAKALASVS GTEYQVGPTC TTVYPASGSS IDWAYDNGIK FAFTFELRDT GTYGFLLPAN QIIPTAETW LGLKTIMEHV  
RDNLY<LEHHH HHH>

## General References

Huang H., et al. (1999) Cancer Res. 59:2981-2988.  
Pallares I., et al. (2005) Proc Natl Acad Sci USA. 102:3978-3983.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.