

# Product information

## CPA4, 17-421aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3312

**Full name:** Carboxypeptidase A4

**NCBI Accession No.:** NP\_057436

**Synonyms:** CPA4, CPA3

**Description:** CPA4, also known as carboxypeptidase A4, is a secreted, zinc-dependent metallocarboxypeptidase 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.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 46.6kDa (413aa)

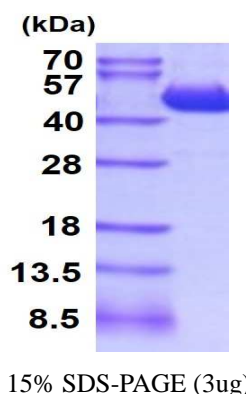
40-57KDa (SDS-PAGE under reducing conditions.)

**Predicted N terminal:** Gly17

**Purity:** > 95% by SDS – PAGE.

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** < 1.0 EU per 1µg of protein (determined by LAL method)



### Sequences of amino acids:

GQEKFFGDQV LRINVRNGDE ISKLSQLVNS NNLKLNFWKS PSSFNRPVDV LVPSVSLQAF KSFLRSQGLE YAVTIEDLQA LLDNEDDEM  
HNEGQERSSN NFNYGAYHSL EAIYHEMNI AADFPDLARR VKIGHSFENR PMYVLKFSTG KGVRRPAVWL NAGIHSREW SQATAIW  
TAR KIVSDYQRDP AITSILEKMD IFLLPVANPD GYVYTQTQNR LWRKTRSRNP GSSCIGADPN RNWNASFAGK GASDNPCSEV YHGPHANSEV  
EVKSVVDFIQ KHGNFKGFID LHSYSQLLMY PYGYSVKKAP DAEELDKVAR LAAKALASVS GTEYQVGPTC TTVYPASGSS IDWAYDNGIK  
FAFTFELRDT GTYGFLLPAN QIIPTAETW LGLKTIMEHV RDNLYLEHHH 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.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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