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 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.

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Amino acid Sequence

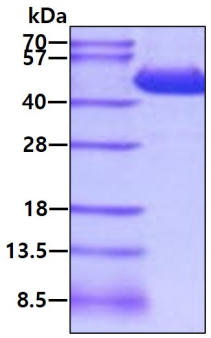
GQEKFFGDQV LRINVRNGDE ISKLSQLVNS NNLKLNFWKS PSSFNRPVDV LVPSVSLQAF KSFLRSQGLE YAVTIEDLQA LLDNEDDEMQ HNEGQERSSN NFNYGAYHSL EAIYHEMDNI AADFPDLARR VKIGHSFENR PMYVLKFSTG KGVRRPAVWL NAGIHSREWI SQATAIWTAR KIVSDYQRDP AITSILEKMD IFLLPVANPD GYVYTQTQNR LWRKTRSRNP GSSCIGADPN RNWNASFAGK GASDNPCSEV YHGPHANSEV EVKSVVDFIQ KHGNFKGFID LHSYSQLLMY PYGYSVKKAP DAEELDKVAR LAAKALASVS GTEYQVGPTC TTVYPASGSS IDWAYDNGIK FAFTFELRDT GTYGFLLPAN QIIPTAEETW 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.