

CPA4, 17-421aa, Human, His tag, Baculovirus

Cat.NO.: TP01696

3th Edition

Synonyms:Carboxypeptidase A4, CPA4, CPA3

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

Sequences:

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GQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKLNFWKSPSSFNRPVDVLVPSVSLQAFKSFLRSQGLEAYVTIED
LQALLDNEDDEMQRHNEGQERSSNNFNFGAYHSLEAIYHEMDNIAADFPDLARRVKIGHSFENRPMYVLKFSTGKG
VRRPAVWLNAGIHSREWISQATAIWTARKIVSDYQRDPAITSILEKMDIFLLPVANPDGYVYTQTQNRLWRKTRSRN
PGSSCIGADPNRNWNASFAGKGASDNPCSEVYHGPHANSEVEVKSVDVFIQKHGNFKGFIDLHSYSQLLMYPYGY
SVKKAPDAEELDKVARLAALKALASVSGTEYQVGPTCTTVYPASGSSIDWAYDNGIKFAFTFELRDTGTYGFLLPANQ
IIPTAEETWLGLKTIMEHVRDNLYLEHHHHHH
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Purity:> 95% by HPLC

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

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

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.