

Recombinant Human CPA4 protein, His-tagged

Cat. No. CPA4-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CPA4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	46.6kDa (413aa)40-57KDa (SDS-PAGE under reducing conditions.)
AA Sequence	GQEKFFGDQV LRINVRNGDE ISKLSQLVNS>NNLKLNFWKS PSSFNRPVDV LVPSVSLQAF KSFLRSQGLE YAVTIEDLQA LLDNEDDEMQHNEGQERSSN NFNYGAYHSL EAIYHEMDNI AADFPDLARR VKIGHSFENR PMYVLKFSTG KGVRRPAVWL NAGIHSREWI SQATAIWTARKIVSDYQRDP AITSILEKMD IFLLPVANPD GYVYTQTQNR LWRKTRSRNP GSSCIGADPN RNWNASFAGK GASDNPCSEV YHGPHANSEVEVKSVDIFIQ KHGNFKGFID LHSYSQLLMY PYGYSVKKAP DAEELDKVAR LAAKALASVS GTEYQVGPTC TTVYPASGSS IDWAYDNGIKFAFTFELRDT GTYGFLPAN QIIPTAEETW LGLKTIMEHV RDNLYLEHHH HHH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	CPA4 carboxypeptidase A4 [Homo sapiens]
Official Symbol	CPA4
Synonyms	CPA4; carboxypeptidase A4; carboxypeptidase A3; CPA3;
Gene ID	51200
mRNA Refseq	NM_001163446
Protein Refseq	NP_001156918
MIM	607635
UniProt ID	Q9UI42
Chromosome Location	7q32
Function	metal ion binding; metallocarboxypeptidase activity; metallopeptidase activity;

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peptidase activity; zinc ion binding;

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