

Recombinant Human CPA4 protein, His-tagged

Cat. No. CPA4-7970H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPA4 protein (Gly17-Tyr421), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	405
Description	Carboxypeptidases are zinc-containing exopeptidases that catalyze the release of carboxy-terminal amino acids, and are synthesized as zymogens that are activated by proteolytic cleavage. Carboxypeptidases cleave amino acids from the C-terminus of proteins and peptides and many are metalloproteases. Carboxypeptidase A4 (CPA4) is also known as Carboxypeptidase A3 (CPA3), which belongs to the peptidase M14 family. Fetal express the protein in the adrenal gland, brain, heart, intestine, kidney, liver and lung.
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 46.4 kDa. The protein migrates as 48 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

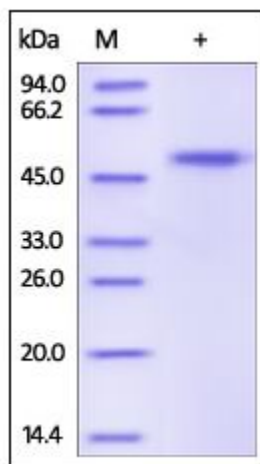
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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	CPA4
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

SDS-PAGE of CPA4-7970H



Human CPA4, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.