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CPA1 Protein (His tag)



Overview

Quantity:	50 µg
Target:	CPA1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPA1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Carboxypeptidase A1/CPA1 Protein (His Tag)
Sequence:	Lys17-Tyr419
Characteristics:	Recombinant Human Carboxypeptidase A1 is produced by our Mammalian expression system and the target gene encoding Lys17-Tyr419 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CPA1
Alternative Name:	Carboxypeptidase A1/CPA1 (CPA1 Products)
Background:	Background: Carboxypeptidase A1 (CPA1) is secreted as a pancreatic peptidase that comes from the precursor form of inactive procarboxypeptidase. CPA1 comprises a signal peptide, a
	pro region and a mature chain, and can be activated after cleavage of the pro peptide. It has a

Target Details

free C-terminal carboxyl group, with the preference of residues with aromatic or branched aliphatic side chains. CPA1 cleaves the C-terminal amide or ester bond of peptides and involves in zymogen inhibition. Three different forms of human pancreatic procarboxypeptidase A have been isolated. In contrast to procarboxypeptidase B which was always secreted by the pancreas as a monomer, procarboxypeptidase A occurs as a monomer and/or associated to one or two functionally different proteins, such as zymogen E.

Synonym: Carboxypeptidase A1, CPA1, CPA

46.6 kDa

UniProt: P15085

Application Details

Molecular Weight:

Restrictions: For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150mm NaCl, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.