

Datasheet for ABIN7318243

**Carboxypeptidase A2 Protein (His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	Carboxypeptidase A2 (CPA2)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Carboxypeptidase A2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Carboxypeptidase A2/CPA2 Protein (His Tag)
Sequence:	Leu17-Tyr417
Characteristics:	Recombinant Human Carboxypeptidase A2 is produced by our Mammalian expression system and the target gene encoding Leu17-Tyr417 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:	Carboxypeptidase A2 (CPA2)
Alternative Name:	Carboxypeptidase A2/CPA2 ( <a href="#">CPA2 Products</a> )
Background:	Background: Carboxypeptidase A2 (CPA) is a secreted pancreatic procarboxy-peptidase that cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference towards long substrates

## Target Details

with aromatic amino acids in their C-terminal end, particularly tryptophan. CPA2 comprises a signal peptide, a pro region and a mature chain, and can be activated after cleavage of the pro peptide. Three different forms of human pancreatic procarboxypeptidase A have been isolated, and the A1 and A2 forms are always secreted as monomeric proteins with different biochemical properties. 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, and is involved in zymogen inhibition.

Synonym: Carboxypeptidase A2, CPA2

Molecular Weight: 45.9 kDa

UniProt: [P48052](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150mM NaCl, pH 7.5.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.