

## 32-9288: Recombinant Human Carboxypeptidase A1/CPA1 (C-6His)

**Alternative Name :** Carboxypeptidase A1, CPA1, CPA

### Description

Source : Human Cells;

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 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.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.

**Amino Acid :** 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.