

## 32-7534: Recombinant Human Carboxypeptidase A4/CPA4 (C-6His)(Discontinued)

**Gene :** CPA4  
**Gene ID :** 51200  
**Uniprot ID :** Q9UI42

### Description

Source: Human Cells.  
MW :46.63kD.

Recombinant Human Carboxypeptidase A4 is produced by our Mammalian expression system and the target gene encoding Gly17-Tyr421 is expressed with a 6His tag at the C-terminus. 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. They have distinct expression patterns and different specificities for example, preferentially cleaving aromatic (carboxypeptidase As) or basic (carboxypeptidase Bs) residues. Several, such as carboxypeptidase Xs, have lost their catalytic activity. Carboxypeptidases play important roles in digestion of food, processing of bioactive peptides and blood coagulation. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mm NaCl, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** GQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKNLFWKSPSSFNRPVLDLVPVSLQAFKSFRLRSQGLEAVTI  
EDLQALLDNEDDEMQRHNEGQERSSNNFNFGAYHSLEAIYHEMDNIAADFPDLARRVKIGHSFENRPMYVLKFS  
TGKGVRRPAVWLNAGIHSREWISQATAIWTARKIVSDYQRDPAITSILEKMDIFLLPVANPDGYVYTQTQNRLLW  
RKTRSRNPGSSCIGADPNRNWNASFAGKKGASDNPCSEVYHGPHANSEVEVKSVVDFIQKHGNFKGFIDLHSYS  
QLLMYPYGYSVKKAPDAEELDKVARLAAKALASVSGTEYQVGPCTTVYPASGSSIDWAYDNGIKFAFTFELRD  
TGTYGFLLPANQIIPTAEETWLGLKTIMEHVRDNLVVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.