

## 32-8490: Recombinant Mouse Carboxypeptidase A4/CPA4 (C-6His)

**Gene :** Cpa4  
**Gene ID :** 71791  
**Uniprot ID :** Q6P8K8

### Description

Source: Human Cells.  
MW :46.7kD.

Recombinant Mouse Carboxypeptidase A4 is produced by our Mammalian expression system and the target gene encoding Gly17-Tyr420 is expressed with a 6His tag at the C-terminus. Carboxypeptidase A4 (CPA4) is a member of the peptidase M14 family. CPA4 is metalloprotease that could be involved in the histone hyperacetylation pathway. CPA4 binds one zinc ion per subunit and could catalyze to release of a C-terminal amino acid, with preference for -Phe, -Leu, -Ile, -Met, -Tyr and -Val. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** GRDKFFGDQVFRINVRNGDEIRKLTENVSDHLKLSVWVKSPSTFDRPVDILVPSVLLPVKSFLLKSOGLDYSVTI  
EDLQALLDNEDEEMQHNEGIERSGDFNYGAYHLEAIYHEMDSIATDFPELVSRVKIGETFEKRPMYVLKFSTG  
GGKKRPAIWLNAGIHAREWISQATAIWTARKIVTDYKDKPAITSILKKVDIFLLPVANPDGYVYTQSQNRLWRKT  
RSRNPGRSVCVADPNRNWNASFAGEGTSNPNCEVYHGSHPNSEVEVKSVDVFIQKHGNFKCFIDLHSYSQL  
LMYPYGYTVKKAPDAEELDDVARNAQAALASLSGTYRVTGPTCTTVYPASGSSVDWAYDNGIKYAFTFELRDT  
GYYGFLLPASQIIPTAEETWLGLKTIMEHVRDHLVVDHHHHHH

### Application Note

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