

## 32-8494: Recombinant Mouse Carboxypeptidase A2/CPA2 (C-6His)

**Gene :** Cpa2  
**Gene ID :** 232680  
**Uniprot ID :** Q504N0

### Description

Source: Human Cells.

MW :46.2kD.

Recombinant Mouse Carboxypeptidase A2 is produced by our Mammalian expression system and the target gene encoding Gln17-Tyr417 is expressed with a 6His tag at the C-terminus. Mouse carboxypeptidase A2(CPA2) is a secreted pancreatic procarboxy -peptidase which belongs to the peptidase M14 family. CPA2 consists of a signal peptide, a pro region and a mature chain. It can be activated after cleavage of the pro peptide. CPA2 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 with aromatic amino acids in their C-terminal end, particularly tryptophan.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH8.0.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** QETFGDQVLEVIPNDEEQIKTLLQLEAEHLELDFWKSPSPVPRQTVHVRVPFASIQDVKVFLESQGITYSIMIED  
VQVLLDQEREEMLFNQQRERGTNFGAYHTLEEIQEMDNLVAENPGLVSKVNIGSSFENRPMNVLFSTGG  
DKPAIWLDAGIHAREWVTQATALWTANKIASDYGTDPATSLNLTLDVFLPVTPNDGYVFSQTSNRMWRKTR  
SKRSGSFCVGVDPNRNWDANFGGPGASSNPCSDSYHGSPNSEVEVKSIVDFIKSHGKVKAFTLHSYSQLLM  
FPYGYKCAKPDDFNELEVAQRAAQSLKRLHGTSYKVGPICSVIYQASGGSIDWAYDLGIKYSFAFELRDTGYY  
GFLPAKQILPTAETWLGLKTIMEHVRDHPYVDHHHHHH

### Application Note

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