

## Product datasheet for **TP726978**

### Carboxypeptidase B2 (CPB2) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Carboxypeptidase B2/CPB2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Phe23-Val423
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM ZnCl <sub>2</sub> , 10% Glycerol, pH 7.5.
Note:	Recombinant Human Carboxypeptidase B2 is produced by our Mammalian expression system and the target gene encoding Phe23-Val423 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	1361
UniProt ID:	<a href="#">Q96IY4</a>
Summary:	Carboxypeptidase B2 (CPB2) is a secreted enzyme that belongs to the peptidase M14 family. CPB2 is synthesized by the liver and circulates in the plasma as a plasminogen-bound zymogen by the liver and circulates in the plasma as a plasminogen-bound zymogen. CPB2 cleaves C-terminal arginine or lysine residues from biologically active peptides, such as kinins or anaphylatoxins, in the circulation regulating their activities. CPB2 also down-regulates fibrinolysis by removing C-terminal lysine residues from fibrin that has already been partially degraded by plasmin. CPB2 exhibits carboxypeptidase activity when it is activated by proteolysis at residue Arg92 of the thrombin/thrombomodulin complex. Activated CPB2 reduces fibrinolysis by removing the fibrin C-terminal residues that are important for the binding and activation of plasminogen.



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