

Recombinant Human Carboxypeptidase B2 (Plasma), His-tagged

Cat. No. CPB2-3906H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human CPB2 (NP_001863.2) extracellular domain (Met 1-Val 423) was expressed, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Human
ProteinLength	1-423 a.a.
Description	Carboxypeptidase B2, also known as Carboxypeptidase U, Thrombin-activable fibrinolysis inhibitor, Plasma carboxypeptidase B, CPB2, is a secreted protein which belongs to the peptidase M14 family. Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 97 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Predicted N terminal	Phe 23

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Molecular Mass The recombinant human CPB2 consists of 412 amino acids and predicts a molecular mass of 47.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCPB2 is approximately 45-50 kDa due to glycosylation.

Storage Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

GENE INFORMATION

Gene Name CPB2 carboxypeptidase B2 (plasma) [Homo sapiens]

Official Symbol CPB2

Synonyms CPB2; carboxypeptidase B2 (plasma); CPU; PCPB; TAFI; carboxypeptidase B2; OTTHUMP00000018364; OTTHUMP00000018365; carboxypeptidase U; plasma carboxypeptidase B; carboxypeptidase B-like protein; thrombin-activable fibrinolysis inhibitor; thrombin-activatable fibrinolysis inhibitor; carboxypeptidase B2 (plasma, carboxypeptidase U)

Gene ID 1361

mRNA Refseq NM_001872

Protein Refseq NP_001863

MIM 603101

UniProt ID Q96IY4

Chromosome Location 13q14.11

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Pathway	Complement and Coagulation Cascades; Complement and coagulation cascades; Pancreatic secretion; Protein digestion and absorption
Function	metal ion binding; metallocarboxypeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding

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