



# Recombinant Human Carboxypeptidase B2 (CPB2)

<b>Product Code</b>	CSB-EP853435HU
<b>Abbreviation</b>	CPB2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q96IY4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	ASASYE EQYHSLNEIY SWIEFITERH PDMLTKIHIG SSFEKYPLYV LKVSQKEQAA KNAIWIDCGI HAREWISPAF CLWFIGHTQ FYGIIGQYTN LLRLVDFYVM PVVNVGDYDY SWKKNRMWRK NRSFYANNHC IGDLNRNFA SKHWCEEGAS SSSCSETYCG LYPESEPEVK AVASFLRRNI NQIKAYISMH SYSQHIVFPY SYTRSKSKDH EELSLVASEA VRAIEKISKV TRYTHGHGSE TLYLAPGGGD DWIYDLGIKY SFTIELRDTG TYGFLLPERY IKPTCREAFA AVSKIAWHVI RNV
<b>Source</b>	E.coli
<b>Target Names</b>	CPB2
<b>Protein Names</b>	Recommended name: Carboxypeptidase B2 EC= 3.4.17.20 Alternative name(s): Carboxypeptidase U Short name= CPU Plasma carboxypeptidase B Short name= pCPB Thrombin-activable fibrinolysis inhibitor Short name= TAFI
<b>Expression Region</b>	115-423
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). This protein is activated by trypsin and acts on carboxypeptidase B substrates. After thrombin activation, the mature protein downregulates fibrinolysis. Polymorphisms have been described for this gene and its promoter region. Available sequence data analyses indicate splice variants that encode different isoforms.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.