Recombinant Human Carboxypeptidase B2 (CPB2)

Product Code	CSB-MP853435HU
Abbreviation	CPB2
Storage	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.
Uniprot No.	Q96IY4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ASASYY EQYHSLNEIY SWIEFITERH PDMLTKIHIG SSFEKYPLYV LKVSGKEQAA KNAIWIDCGI HAREWISPAF CLWFIGHITQ FYGIIGQYTN LLRLVDFYVM PVVNVDGYDY SWKKNRMWRK NRSFYANNHC IGTDLNRNFA SKHWCEEGAS SSSCSETYCG LYPESEPEVK AVASFLRRNI NQIKAYISMH SYSQHIVFPY SYTRSKSKDH EELSLVASEA VRAIEKISKN TRYTHGHGSE TLYLAPGGGD DWIYDLGIKY SFTIELRDTG TYGFLLPERY IKPTCREAFA AVSKIAWHVI RNV
Source	Mammalian cell
Target Names	CPB2
Protein Names	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
Expression Region	115-423
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.