Recombinant Human Carboxypeptidase B (CPB1)

Product Code	CSB-YP005883HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P15086
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ATGHSYEKYN KWETIEAWTQ QVATENPALI SRSVIGTTFE GRAIYLLKVG KAGQNKPAIF MDCGFHAREW ISPAFCQWFV REAVRTYGRE IQVTELLDKL DFYVLPVLNI DGYIYTWTKS RFWRKTRSTH TGSSCIGTDP NRNFDAGWCE IGASRNPCDE TYCGPAAESE KETKALADFI RNKLSSIKAY LTIHSYSQMM IYPYSYAYKL GENNAELNAL AKATVKELAS LHGTKYTYGP GATTIYPAAG GSDDWAYDQG IRYSFTFELR DTGRYGFLLP ESQIRATCEE TFLAIKYVAS YVLEHLY
Source	Yeast
Target Names	CPB1
Protein Names	Recommended name: Carboxypeptidase B EC= 3.4.17.2 Alternative name(s): Pancreas-specific protein Short name= PASP
Expression Region	111-417
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	Three different procarboxypeptidases A and two different procarboxypeptidases B have been isolated. The B1 and B2 forms differ from each other mainly in isoelectric point. Carboxypeptidase B1 is a highly tissue-specific protein and is a useful serum marker for acute pancreatitis and dysfunction of pancreatic transplants. It is not elevated in pancreatic carcinoma.
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.