



Recombinant Human Carboxypeptidase B (CPB1)

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| Product Code | CSB-EP005883HU-B |
| 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 LHGTYKYTYGP GATTIYPAAG GSDDWAYDQG IRYSFTFELR DTGRYGFLLP ESQIRATCEE TFLAIKYVAS YVLEHLY |
| Source | E.coli |
| 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. |