



Recombinant Human Carboxypeptidase A2 (CPA2)

Product Code	CSB-EP005876HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48052
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SGNFNF GAYHTLEEIS QEMDNLVAEH PGLVSKVNIG SSFENRPMNV LKFSTGGDKP AIWLDAGIHA REWVTQATAL WTANKIVSDY GKDPSITSIL DALDIFLLPV TNPDG YVFSQ TKNRMWRKTR SKVSGSLCVG VDPNRNWDAG FGGPGASSNP CSDSYHGPSA NSEVEVKSIV DFIKSHGKVK AFITLHSYSQ LLMFPYGYKC TKLDDFDELS EVAQKAAQSL RSLHGTYKYKV GPICSVIYQA SGGSIDWSYD YGIKYSFAFE LRDTGRYGFL LPARQILPTA EETWLGLKAI MEHVRDHPY
Source	E.coli
Target Names	CPA2
Protein Names	Recommended name: Carboxypeptidase A2 EC= 3.4.17.15
Expression Region	115-419
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 forms of human pancreatic procarboxypeptidase A have been isolated. The encoded protein represents the A2 form, which is a monomeric protein with different biochemical properties from the A1 and A3 forms. The A2 form of pancreatic procarboxypeptidase acts on aromatic C-terminal residues and is a secreted protein.
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.