



# Recombinant Human Carboxypeptidase A2 (CPA2)

<b>Product Code</b>	CSB-EP005876HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48052
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SGNFNF GAYHTLEEIS QEMDNLVAEH PGLVSKVNIG SSFENRPMNV LKFSTGGDKP AIWLDAGIHA REWVTQATAL WTANKIVSDY GKDPSITSIL DALDIFLLPV TNPDGIVFSQ TKNRMWRKTR SKVSGSLCVG VDPNRNWDAG FGGPGASSNP CSDSYHGPSA NSEVEVKSIV DFIKSHGKVK AFITLHSYSQ LLMFPYGYKC TKLDDFDELS EVAQKAAQSL RSLHGTYKYKV GPICSVIYQA SGGSIDWSYD YGIKYSFAFE LRDTGRYGFL LPARQILPTA EETWLGLKAI MEHVRDHPY
<b>Source</b>	E.coli
<b>Target Names</b>	CPA2
<b>Protein Names</b>	Recommended name: Carboxypeptidase A2 EC= 3.4.17.15
<b>Expression Region</b>	115-419
<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>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.