



# Recombinant Human Carboxypeptidase A1 (CPA1)

<b>Product Code</b>	CSB-MP005875HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P15085
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ARSTDTFNVA TYHTLEEIYD FLDLLVAENP HLVSKIQIGN TYEGRPIYVL KFSTGGSKRP AIWIDTGIHS REWVTQASGV WFAKKITQDY GQDAAFTAIL DTLDIFLEIV TNPDGFAFTH STNRMWRKTR SHTAGSLCIG VDPNRNWDAG FGLSGASSNP CSETYHGKFA NSEVEVKSIV DFVKDHGNIK AFISIHSYSQ LLMPYGYKT EPVPDQDELD QLSKAAVTAL ASLYGTFKFNYSI KAIYQA SGSTIDWTYS QGIKYSFTFE LRDTGRYGFL LPASQIIPTA KETWLALLTI MEHTLNHPY
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CPA1
<b>Protein Names</b>	Recommended name: Carboxypeptidase A1 EC= 3.4.17.1
<b>Expression Region</b>	111-419
<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. This gene encodes a monomeric pancreatic exopeptidase involved in zymogen inhibition.
<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.