



# Recombinant Human Carboxypeptidase E (CPE)

<b>Product Code</b>	CSB-MP005886HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P16870
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LQQEDGIS FEYHRYPELR EALVSVWLQC TAISRIYTVG RSFEGRELLV IELSDNPGVH EPGPEFKYI GNMHGNEAVG RELLIFLAQY LCNEYQKGNE TIVNLIHSTR IHIMPSLNPD GFEKAASQPG ELKDWVGRS NAQGIDLNRN FPDLDRIVYV NEKEGGPNH LLKNMKKIVD QNTKLAPETK AVIHWIMDIP FVLSANLHGG DLVANYPYDE TRSGSAHEYS SSPDDAIFQS LARAYSSFNP AMSDPNRPPC RKNDDSSV DGTNGGAWY SVPGGMQDFN YLSSNCFEIT VELSCEKFP EETLKTYWED NKNSLISYLE QIHRGVKGFV RDLQGNPIAN ATISVEGIDH DVTSKGDY WRLLIPGNYK LTASAPGYLA ITKKVAVPYS PAAGVDFELE SFSERKEEEK EELMEWWKMM SETLNF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CPE
<b>Protein Names</b>	Recommended name: Carboxypeptidase E Short name= CPE EC= 3.4.17.10 Alternative name(s): Carboxypeptidase H Short name= CPH Enkephalin convertase Prohormone-processing carboxypeptidase
<b>Expression Region</b>	43-476
<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>	This gene encodes a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but not constitutively secreted proteins. Mutations in this gene are implicated in type II diabetes.
<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.