Recombinant Human Carboxypeptidase E (CPE)

Product Code	CSB-YP005886HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16870
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LQQEDGIS FEYHRYPELR EALVSVWLQC TAISRIYTVG RSFEGRELLV IELSDNPGVH EPGEPEFKYI GNMHGNEAVG RELLIFLAQY LCNEYQKGNE TIVNLIHSTR IHIMPSLNPD GFEKAASQPG ELKDWFVGRS NAQGIDLNRN FPDLDRIVYV NEKEGGPNNH LLKNMKKIVD QNTKLAPETK AVIHWIMDIP FVLSANLHGG DLVANYPYDE TRSGSAHEYS SSPDDAIFQS LARAYSSFNP AMSDPNRPPC RKNDDDSSFV DGTTNGGAWY SVPGGMQDFN YLSSNCFEIT VELSCEKFPP EETLKTYWED NKNSLISYLE QIHRGVKGFV RDLQGNPIAN ATISVEGIDH DVTSAKDGDY WRLLIPGNYK LTASAPGYLA ITKKVAVPYS PAAGVDFELE SFSERKEEEK EELMEWWKMM SETLNF
Source	Yeast
Target Names	CPE
Protein Names	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
Expression Region	43-476
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	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.
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.