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## Datasheet for ABIN7318246 CPE Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CPE
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPE protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Carboxypeptidase E/CPE Protein (His Tag)
Sequence:	Arg42-Ser453
Characteristics:	Recombinant Human Carboxypeptidase E is produced by our Mammalian expression system and the target gene encoding Arg42-Ser453 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CPE
Alternative Name:	Carboxypeptidase E/CPE ( <a href="#">CPE Products</a> )
Background:	Background: The active form of CPE cleaves C-terminal amino acid residues of the peptide, and is thus involved in the biosynthesis of peptide hormones and neurotransmitters including insulin, enkephalin, etc. It is thought that membrane-associated CPE acts as a sorting receptor

## Target Details

for targeting regulated secretory proteins which are mostly prohormones and neuropeptides in the trans-Golgi network of the pituitary and in secretory granules into the secretory pathway.

Defects in this protein are implicated in type II diabetes due to impaired glucose clearance and insulin resistance.

Synonym: Carboxypeptidase E(CPE for short), Carboxypeptidase H, Enkephalin convertase, Prohormone-processing carboxypeptidase

Molecular Weight:	47.1 kDa
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UniProt:	<a href="#">P16870</a>
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Pathways:	<a href="#">Peptide Hormone Metabolism</a> , <a href="#">Synaptic Membrane</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM ZnCl <sub>2</sub> , 10 % Glycerol, pH 7.5.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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