

## Active Recombinant Human CPE protein, His-tagged

Cat. No. CPE-659H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human CPE protein(NP_001864.1) (Met 1-Ser 453) was expressed in Human Cells, fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-453 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	Measured by its ability to cleave a peptide substrate, benzoyl-AR-OH. The product, Arg, is reacted with orthophthaldialdehyde (OPA) to form a fluorescent molecule. The specific activity is >12,000 pmoles/min/μg.
<b>Molecular Mass</b>	The recombinant human CPE comprises 439 amino acids and predicts a molecular mass of 49.4 kDa. As a result of glycosylation, the apparent molecular mass of rhCPE is approximately 53 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name**

CPE carboxypeptidase E [ Homo sapiens ]

**Official Symbol**

CPE

**Synonyms**

CPE; carboxypeptidase E; carboxypeptidase H; cobalt stimulated chromaffin granule carboxypeptidase; enkephalin convertase; insulin granule associated carboxypeptidase; CPH; prohormone-processing carboxypeptidase; insulin granule-associated carboxypeptidase; cobalt-stimulated chromaffin granule carboxypeptidase;

**Gene ID**

1363

**mRNA Refseq**

NM\_001873

**Protein Refseq**

NP\_001864

**MIM**

114855

**UniProt ID**

P16870

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