

Active Recombinant Human CPE protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	1-453 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	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

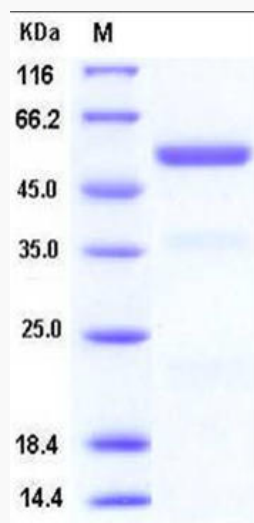
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SDS-PAGE



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