

Active Recombinant Human CPE protein, hFc-tagged

Cat. No. CPE-275H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPE protein(NP_001864.1) (Met 1-Ser 453) was expressed in Human Cells with the C-terminal fused Fc region of human IgG1.
Species	Human
Source	Human Cells
ProteinLength	1-453 aa
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5.
Molecular Mass	The recombinant human CPE/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 666 amino acids and predicts a molecular mass of 74.6 kDa. As a result of glycosylation, the apparent molecular mass of rhCPE/Fc monomer is approximately 85-90 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % 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-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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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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