

Specifications:

Gene:	<i>hCpe</i>
Accession:	NP_001864.1
Insert size:	1444bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

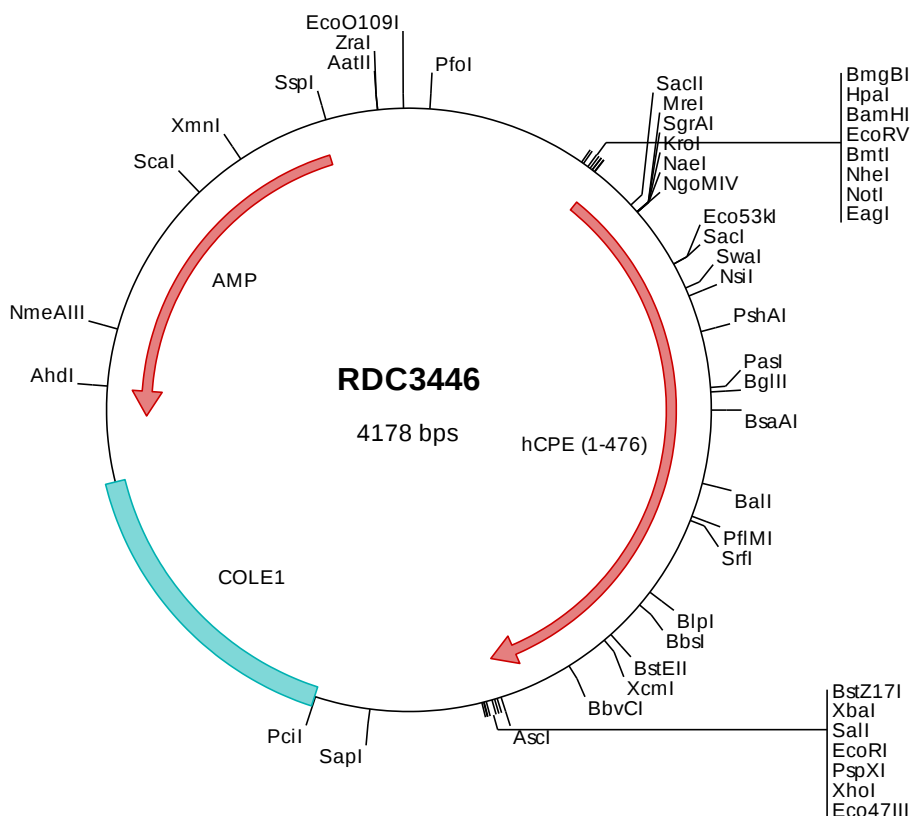
*h*Carboxypeptidase E cDNA Plasmid

Cpe carboxypeptidase E [*Mus musculus* (house mouse)]

Also known as: CP; CPH; fat; Cph-; Cph1; NF-a; Cph-1; R74677; NF-alpha1

Summary:

CPE is a prohormone-processing exopeptidase found in secretory granules of endocrine and neuroendocrine cells. It undergoes proteolytic processing to generate a mature, functional enzyme that cleaves the C-terminal basic residues of protein substrates. A missense mutation in CPE is responsible for the obesity phenotype in a mouse model known as the "fat mouse." Mice lacking the functional CPE exhibit impaired processing of multiple peptide hormones such as proinsulin, prodynorphin, proneurotensin, promelanin-concentrating hormone and pro-opiomelanocortin.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3446 Plasmid DNA Sequence

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> RDC3446 Translated Insert Sequence

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