

Recombinant Rat Cpt1c Protein, His-tagged

Cat. No. Cpt1c-837R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cpt1c Protein (Met589-Leu801) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met589-Leu801
Description	Enables carnitine O-palmitoyltransferase activity. Involved in carnitine metabolic process. Located in endoplasmic reticulum membrane. Human ortholog(s) of this gene implicated in hereditary spastic paraplegia 73. Orthologous to human CPT1C (carnitine palmitoyltransferase 1C).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.7 kDa; Accurate Molecular Mass: 28 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Cpt1c carnitine palmitoyltransferase 1c [*Rattus norvegicus* (Norway rat)]

Official Symbol

Cpt1c

Synonyms

CPT1C; carnitine palmitoyltransferase 1c; carnitine O-palmitoyltransferase 1, brain isoform; MGC125142;

Gene ID

308579

mRNA Refseq

NM_001034925

Protein Refseq

NP_001030097

UniProt ID

F1LN46

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