

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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