Recombinant Mouse Cpt1c Protein, His-tagged

Cat. No. Cpt1c-836M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cpt1c Protein (Met589-Leu798) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met589-Leu798
Description	Predicted to enable carnitine O-palmitoyltransferase activity. Involved in regulation of postsynaptic membrane neurotransmitter receptor levels. Located in several cellular components, including dendrite; endoplasmic reticulum; and postsynapse. Is integral component of endoplasmic reticulum membrane. Part of AMPA glutamate receptor complex. Is active in glutamatergic synapse. Is expressed in several structures, including alimentary system; genitourinary system; heart; nervous system; and sensory organ. 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: 27.5 kDa; Accurate Molecular Mass: 28 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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 [Mus musculus (house mouse)]
Official Symbol	Cpt1c
Synonyms	CPT1C; carnitine palmitoyltransferase 1c; carnitine O-palmitoyltransferase 1, brain isoform; CPT IC; CPT1-B; CPTI-B; CPT I-C; carnitine palmitoyltransferase 1, brain; carnitine O-palmitoyltransferase I, brain isoform; 6530437J22Rik; 9630004I06Rik; MGC101932;
Gene ID	78070
mRNA Refseq	NM_001252470
Protein Refseq	NP_001239399
UniProt ID	Q8BGD5

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