

Recombinant Mouse Cpt1a protein, His & GST-tagged

Cat. No. Cpt1a-1453M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cpt1a aa. (Ala568~Lys773 fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala568~Lys773
Form	Freeze-dried powder
Molecular Mass	53kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 6.7.
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°C 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.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

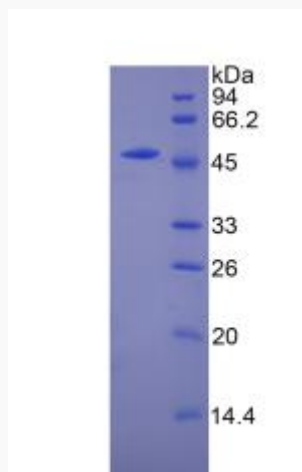
GENE INFORMATION

Gene Name	Cpt1a carnitine palmitoyltransferase 1a, liver [Mus musculus (house mouse)]
Official Symbol	Cpt1a
Synonyms	CPTI; Cpt1; C730027G07; CPT I; CPT1-L; CPTI-L; L-CPT I; carnitine O-palmitoyltransferase I, liver isoform; carnitine palmitoyltransferase 1, liver; carnitine O-palmitoyltransferase 1, liver isoform
Gene ID	12894
mRNA Refseq	NM_013495.2
Protein Refseq	NP_038523.2
UniProt ID	P97742

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SDS-PAGE

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