RPF368Mu01 10μg

Recombinant Carnitine Palmitoyltransferase 1A, Liver (CPT1A)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ala568~Lys773

Tags: Two N-terminal Tags, His-tag and GST-tag

Tissue Specificity: Liver, Heart, Brain, Lung.

Subcellular Location: Mitochondrion outer membrane; Multi-pass membrane protein.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.
(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.7

Predicted Molecular Mass: 53.5kDa

Accurate Molecular Mass: 53kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

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

Stability Test: 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 37ºC 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.

[SEQUENCE]

AFI QLALQLAHYK DMGKFCLTYE ASMTRLFREG
RTETVRSCTT ESCNFVLAMM DPTTTAEQRF KLFKIACEKH QHLYRLAMTG
AGIDRHLFCL YVVSKYLAVD SPFLKEVLSE PWRLSTSQTP QQQVELFDFE
KYPDYVSCGG GFGPVADDGY GVSYIIVGEN FIHFHISSKF SSPETDSHRF
GKHLRQAMMD IITLFGLTAN SKK

[IDENTIFICATION]

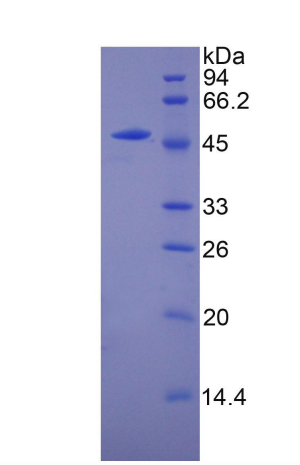

Figure 1. SDS-PAGE