RPC400Mu01 10μg

Recombinant Carnitine Acetyltransferase (CRAT)

Organism Species: *Mus musculus (Mouse)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Asp430

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

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: 9.1

Predicted Molecular Mass: 52.6kDa

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

[USAGE]

Reconstitute in ddH_2O to a concentration of 0.1-0.5 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 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.

[SEQUENCE]

MLAFAARTVV KPLGLLKPSS LMKVSGRFKA HQDALPRLPV PPLQQSLDYY
LKALQPIVSE EEWAHTKQLV DEFQTSGGVG ERLQKGLERR AKKMENWLSE
WWLKTAYLQF RQPVVIYSSP GVILPKQDFV DLQGQLRFAA KLIEGVLDFK
SMIDNETLPV EFLGGQPLCM NQYYQILSSC RVPGPKQDSV VNFLKSKRPP
THITVVHNYQ FFELDVYHSD GTPLTSDQIF VQLEKIWNSS LQSNKEPVGI
LTSNHRNTWA KAYNNLIKDK VNRESVNSIQ KSIFTVCLDK QVPRVSDDVY
RNHVAGQMLH GGGSKFNSGN RWFDKTLQFI VAEDGSCGMV YEHAAAEGPP
IVALVDHVME YTKKPELVRS PMVPLPMPKK LRFNITPEIK NDIEKAKQNL
SIMIQDLDIM MLTFHHFGKD FPKSEKLSPD

[IDENTIFICATION]

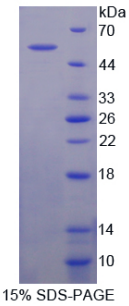

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.