

Recombinant Carnitine Acetyltransferase (CRAT) Instruction Manual

SIPC761Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	52.6kDa
Accurate Molecular Mass	53kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Asp430 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	9.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MLAFAARTVV KPLGLLKPS LMKVSGRFKA HQDALPRLPV PPLQQSLDYY  
LKALQPIVSE EEWAHTKQLV DEFQTSGGVG ERLQKGLERR AKKMENWLSE  
WWLKTAYLQF RQPVVIIYSSP GVILPKQDFV DLQQQLRFAA KLIEGVLDK  
SMIDNETLPV EFLGGQPLCM NQYYQILSSC RVPGPKQDSV VNFLKSKRPP  
THITVVHNYQ FFELDVYHSD GTPLTSDQIF VQLEKIWNSS LQSNKEPVG  
LTSNHRNTWA KAYNNLIKDK VNRESVNSIQ KSIFTVCLDK QVPRVSDDVY  
RNHVAGQMLH GGGSKFNSGN RWFDKTLQFI VAEDGSCGMV YEHAAAEGPP  
IVALVDHVME YTKKPELVRS PMVPLPMPKK LRFNITPEIK NDIEKAKQNL  
SIMIQDLDIM MLTFHHFGKD FPKSEKLSPD
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

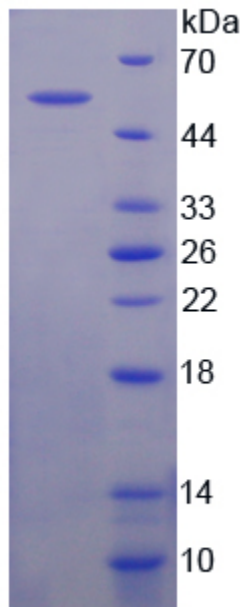
STORAGE

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

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.

Image



15% SDS-PAGE

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.

