



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

YBB657Hu01 100µg

Recombinant Carnitine Acylcarnitine Translocase (CACT)

Organism Species: Homo sapiens (Human)

Instruction manual

**FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Met1~Leu301

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

Accession: O43772

Host: *E. coli*

Subcellular Location: Mitochondrion inner membrane.

Multi-pass membrane protein.

Purity: >90%

Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Predicted isoelectric point: 9.5

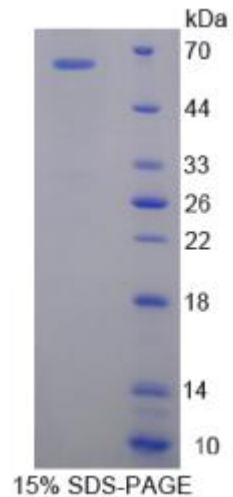
Predicted Molecular Mass: 62.9kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.





[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

**MADQPKPISP LKNLLAGGFG GVCLVFGHP LDTVKVLQT QPPLPGQPP MYSGTFDCFR
KTLFREGITG LYRGMAAPII GVTPMFAVCF FGFGLGKKLQ QKHPEDVLSY PQLFAAGMLS
GVFTTGIMTP GERIKCLLQI QASSGESKYT GTLDCAKKLY QEFGIRGIYK GTVLTLMRDV
PASGMYFMTY EWLKNIFTPE GKRVSSELSAP RILVAGGIAG IFNWAVAIPP DVLKSRFQTA
PPGKYPNGFR DVLRELIRDE GVTSLYKGFN AVMIRAFPAN AACFLGFEVA MKFLNWATPN L**