



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

YB90857Mu01

Clara Cell Protein 16 (CC16)

Organism: Mus musculus (Mouse)

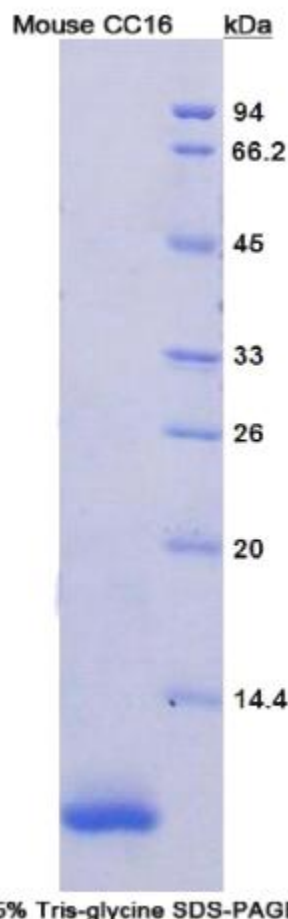
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

3th Edition (Revised in February, 2012)

[DESCRIPTION]



Protein Names: Clara Cell Protein 16

Gene Names: SCGB1A1, CC10, CCSP, UGB

Size: 50 μ g

Source: Recombinant

Expression Host: *E.coli*

Function: Binds phosphatidylcholine, phosphatidylinositol, polychlorinated biphenyls (PCB) and weakly progesterone, potent inhibitor of phospholipase A2.

Subcellular Location: Secreted

Tissue Specificity: Clara cells (nonciliated cells of the surface epithelium of the pulmonary airways).

[PROPERTIES]

Residues: Ser21~Phe96 (Accession # Q06318), with a N-terminal His-tag.

Grade & Purity: >97%, 10 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as solution form in PBS, pH 7.4, containing 0.02%Na₃N, 20% glycerol, and 300mM imidazole.

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



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

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

Predicted Molecular Mass: 10 kDa

[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

Storage: Store at 4°C for short time storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[BACKGROUND]

The target protein is fused with a His-tag and its sequence is listed below. The first Met is an initiator amino acid. Moreover, Gly and Ser are added to improve the flexibility of N-terminus at both ends of the His-tag, which will increase the chelating ability of the tag to Ni-Sepharose during purification.

MGHH HHH HS GS EF -S DI CP GF LQV LE A LLME SE S GYVA SLK PF N PGSD LQNA GT QLKR LV DT LP
QETRINIMKL TEKILTSPLC KQDLRF