



**P90857Mu01**

**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)

Mouse CC16

kDa

94  
66.2  
45  
33  
26  
20  
14.4

### **[ DESCRIPTION ]**

**Protein Names:** Clara Cell Protein 16

**Gene Names:** SCGB1A1, CC10, CCSP, UGB

**Size:** 50µg

**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 1µg (determined by the LAL method).

15% Tris-glycine SDS-PAGE



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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.

MGHHHHHSGSEF-SDICPGFLQV LEALLMESES GYVASLKPFN PGSDLQNAGT QLKRLVDTLP  
QETRINIMKL TEKILTSPLC KQDLRF

