# Mouse Uteroglobin/SCGB1A1 (His Tag) recombinant protein

Catalog Number: 502779



## **General Information**

### Gene Name Synonym

Clara cell 17 kDa protein; Clara cell phospholipidbinding protein; Clara cells 10 kDa secretory protein; PCB-binding protein; Secretoglobin family 1A member 1

## **Protein Construction**

A DNA sequence encoding the mouse SCGB1A1 (Q06318) (Met 1-Phe 96) was expressed, with a polyhistidine tag at the C-terminus.

## **Organism**

Mouse

## **Expression Host**

**Human Cells** 

# QC Testing

## **Activity**

Measured by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cell line. When 5 x 10E4 cells/well are added to SCGB1A1 coated plates (5  $\mu$ g/ml with 100  $\mu$ l/well), approximately >40% will adhere after 1 hour at 37°C.

#### **Purity**

> 88 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}$ C

#### Predicted N terminal

Asp 22

## **Molecular Mass**

The recombinant mouse SCGB1A1 consists of 86 amino acids and has a predicted molecular mass of 9.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm SCGB1A1 is approximately 12 kDa.

## **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

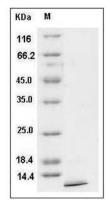
#### **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Mouse Uteroglobin / SCGB1A1 Protein (His Tag) SDS-PAGE