

# Human Uteroglobulin/SCGB1A1 (His Tag) recombinant protein



Catalog Number: 500122

## General Information

### Gene Name Synonym

Clara cell phospholipid-binding protein; Clara cells 10 kDa secretory protein; Secretoglobin family 1A member 1; Urinary protein 1

### Protein Construction

A DNA sequence encoding the human SCGB1A1 (P11684) (Met 1-Asn 91) was expressed, with a C-terminal polyhistidine tag.

### Organism

Human

### 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  $5 \times 10^4$  cells/well are added to human SCGB1A1 coated plates (2  $\mu\text{g/ml}$  and 100  $\mu\text{l/well}$ ), approximately >30% will adhere after one hour at 37 °C.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

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

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Glu 22

### Molecular Mass

The recombinant human SCGB1A1 consists of 81 amino acids and migrates as a 9.2 kDa band as predicted in SDS-PAGE under reducing conditions.

### 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

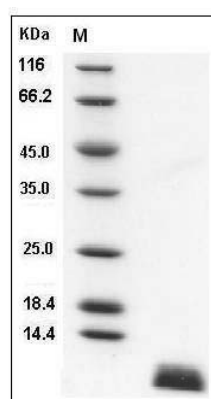
### Storage

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



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SDS-PAGE