



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Uteroglobin, human recombinant, His Tag (rhuUP1)

**Catalog No:** 99915  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Uteroglobin, Clara cell phospholipid-binding protein, CCPBP, Clara cells 10 kDa secretory protein, CC10, Secretoglobin family 1A member 1, Urinary protein 1, UP-1, UP1, Urine protein 1, SCGB1A1, CCSP, UGB, CC16

### Background

Uteroglobin (SCGB1A1), which belongs to the Secretoglobin (SCGBs) superfamily, is a multifunctional protein that exerts anti-inflammatory and anti-tumorigenic effects by binding small hydrophobic molecules such as phospholipids and prostaglandins. Uteroglobin is involved in numerous functions including anti-inflammation, inhibition of phospholipase A2 and the sequestering of hydrophobic ligands. SCGB1A1 is expressed by Clara cells, the non-ciliated, non-mucous secretory cells predominant in lung bronchioles, and by other epithelia which communicate with the external environment. On top of sequestering pro-inflammatory mediators and carcinogens, Uteroglobin is implicated in the inhibition of cell migration and invasion, platelet aggregation, and T cell differentiation. SCGB1A1 gene defects are associated with a susceptibility to asthma.

### Description

Uteroglobin Human Recombinant, produced in *E. coli*, is a single, non-glycosylated, polypeptide chain containing 80 amino acids and a 10 amino acid N-terminal His tag. The total molecular mass is 9.2 kDa (calculated).

### Physical Appearance

Filtered, white lyophilized (freeze-dried) powder.

### Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05 M phosphate buffer and 0.075 M NaCl, pH 7.4.

### Solubility

It is recommended to add 200 µl deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. SCGB1A1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

### Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time. It does not show any change after two weeks at 4°C.

### Amino Acid Sequence

MKHHHHHHAS EICPSFQRVI ETLMDTPSS YEAAEMELFSP DQDMREAGA Q LKKLVDTL P Q KPRESIIKLM EKIAQSSLCN

### Usage

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