

# Recombinant Mouse Uteroglobin/SCGB1A1 Protein (His Tag)

RPES3100

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES3100

**Purity:** > 88 % as determined by reducing SDS-PAGE.

**Contents:** 100µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** CC10, CC16, CCPBP, CCSP, Cc10, Clara cell 17 kDa protein, Clara cell phospholipid-binding protein, Clara cells 10 kDa secretory protein, PCB-BP, PCB-binding protein, Scgb1a1, Secretoglobin family 1A member 1, UG, UGB, Ugb, Uteroglobin, Utg

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cell line. When 5 x 10<sup>4</sup> cells/well are added to SCGB1A1 coated plates (5 µg/ml with 100 µl/well), approximately > 40% will adhere after 1 hour at 37°C.

**Calculated MW:** 9.8 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 12 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** Q06318

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Mouse Uteroglobin/SCGB1A1 protein Met 1-Phe 96, with an C- terminal His

**Sequence:** Met 1-Phe 96

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder