

# Rat SCGB1A1 Recombinant Protein



RPPB5741

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## Product Information    Protein Information

**Product SKU:**

RPPB5741

**Accession:**

P17559

**Host:**

Escherichia Coli.

**Protein description:**

SCGB1A1 Rat Recombinant produced in E.Coli is a homodimeric non-glycosylated polypeptide chains consisting of two 77 amino acids and having a molecular mass of 17.0kDa.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

SCGB1A1 protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized SCGB1A1 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized SCGB1A1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SCGB1A1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

SSDICPGFLQ VLEALLGSE SNYEALKPF NPASDLQNAG TQKRLVDTL PQETRINIVK LTEKILTSPL CEQDLRV

**Biological Activity:**

Fully biologically active when compared to standard. The ED<sub>50</sub> as determined by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cells is less than 5.0 µg/ml, corresponding to a specific activity of >200IU/mg.