

Mouse SCGB1A1 Recombinant Protein



RPPB0899

Product Information Protein Information

Product SKU:

RPPB0899

Accession:

Q06318

Host:

Escherichia Coli.

Protein description:

Uteroglobin Mouse Recombinant produced in E.coli is a non-glycosylated disulfide-linked homodimeric protein containing 2x75 amino acids chains and having a molecular mass of 16.7kDa. The SCGB1A1 is purified by proprietary chromatographic techniques.

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:

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

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized SCGB1A1 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Uteroglobin 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:

DICPGFLQVL EALLMESESG YVASLKPFPNP GSDLQNAGTQ LKRLVDTLPQ ETRINIMKLT EKILTSPLCK QDLRF.

Biological Activity:

The ED₅₀ as determined by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cells is less than 5.0µg/ml, corresponding to a specific activity of > 200 IU/mg.