

# Recombinant Human SCGB1A1

**Cat. No.** SCGB1A1-29817TH    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant full length Human Uteroglobulin with a proprietary tag: predicted molecular weight 35.42 kDa.                                                                                                                                                                                                                        |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>              | Wheat Germ                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>       | 70 amino acids                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>         | This gene encodes a member of the secretoglobulin family of small secreted proteins. The encoded protein has been implicated in numerous functions including anti-inflammation, inhibition of phospholipase A2 and the sequestering of hydrophobic ligands. Defects in this gene are associated with a susceptibility to asthma. |
| <b>Molecular Weight</b>    | 35.420kDa inclusive of tags                                                                                                                                                                                                                                                                                                      |
| <b>Tissue specificity</b>  | Clara cells (nonciliated cells of the surface epithelium of the pulmonary airways).                                                                                                                                                                                                                                              |
| <b>Biological activity</b> | useful for Antibody Production and Protein Array                                                                                                                                                                                                                                                                                 |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>              | Proprietary Purification                                                                                                                                                                                                                                                                                                         |
| <b>Storage buffer</b>      | pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced                                                                                                                                                                                                                                               |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                 |                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                    |
| <b>Sequences of amino acids</b> | EICPSFQRVIETLLMDTPSSYEAAAMELFSPDQDMREAGQLKKLVDTLPQKPRESIIK<br>LMEKIAQSSLCN                                                                                   |
| <b>Sequence Similarities</b>    | Belongs to the secretoglobin family.                                                                                                                         |
| <b>GENE INFORMATION</b>         |                                                                                                                                                              |
| <b>Gene Name</b>                | SCGB1A1 secretoglobin, family 1A, member 1 (uteroglobin) [ Homo sapiens ]                                                                                    |
| <b>Official Symbol</b>          | SCGB1A1                                                                                                                                                      |
| <b>Synonyms</b>                 | SCGB1A1; secretoglobin, family 1A, member 1 (uteroglobin); UGB, uteroglobin; uteroglobin; CC10; CC16; CCSP; Uteroglobin (Clara cell specific 10 kD protein); |
| <b>Gene ID</b>                  | 7356                                                                                                                                                         |
| <b>mRNA Refseq</b>              | NM_003357                                                                                                                                                    |
| <b>Protein Refseq</b>           | NP_003348                                                                                                                                                    |
| <b>MIM</b>                      | 192020                                                                                                                                                       |
| <b>Uniprot ID</b>               | P11684                                                                                                                                                       |
| <b>Chromosome Location</b>      | 11q12.3                                                                                                                                                      |
| <b>Pathway</b>                  | FOXA1 transcription factor network, organism-specific biosystem; Prostaglandin                                                                               |

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Synthesis and Regulation, organism-specific biosystem;

**Function**

binding; phospholipase A2 inhibitor activity;

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