

[Go to Product page](#)

## Datasheet for ABIN7319415 SCGB1A1 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	SCGB1A1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCGB1A1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Uteroglobin/SCGB1A1 Protein (His Tag)
Sequence:	Glu22-Asn91
Characteristics:	Recombinant Human Uteroglobin is produced by our Mammalian expression system and the target gene encoding Glu22-Asn91 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SCGB1A1
Alternative Name:	Uteroglobin/SCGB1A1 ( <a href="#">SCGB1A1 Products</a> )
Background:	Background: Uteroglobin is a small, non-glycosylated secreted protein of the secretoglobulin superfamily. It is produced by the non-ciliated, non-mucous secretory cells that predominate in lung bronchioles (Clara cells), and other non-ciliated epithelia that communicate with the

## Target Details

external environment. Expression is induced by steroid hormones such as estrogen, and enhanced by the non-steroid hormone prolactin. Human Uteroglobulin cDNA encodes a 21 amino acid (aa) signal sequence and a 70 aa mature protein. The mature protein forms a disulfide-linked head-to-tail homodimer of 16 kDa. This homodimer is thought to form a binding pocket that binds hydrophobic ligands such as phospholipids, progesterone and retinols. Binding of fibronectin to Uteroglobulin in the kidney is thought to protect against nephropathy, while binding of the lipocalin-1 receptor has been reported to suppress cancer cell motility and invasion. Synonym: Uteroglobulin, Clara cell phospholipid-binding protein, CCPBP, Clara cells 10 kDa secretory protein, CC10, Secretoglobulin family 1A member 1, Urinary protein 1, UP-1, UP1, Urine protein 1, SCGB1A1, CCSP, UGB

Molecular Weight: 8.7 kDa

UniProt: [P11684](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.