

[Go to Product page](#)

## Datasheet for ABIN7320758 SCGB1A1 Protein (His tag)

### Overview

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

### Product Details

Purpose:	Recombinant Mouse Uteroglobin/SCGB1A1 Protein (His Tag)
Sequence:	Asp22-Phe96
Characteristics:	Recombinant Mouse Uteroglobin is produced by our Mammalian expression system and the target gene encoding Asp22-Phe96 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % 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(UG, SCGB1A1) is the founding member of the secretoglobin family of small, secreted, disulfide-bridged dimeric proteins found only in mammals. This protein is mainly expressed in lung, with anti-inflammatory/immunomodulatory properties.

## Target Details

CCAAT/enhancer-binding proteins(C/EBPs) are the major transcription factors for the regulation of SCGB1A1 gene expression, whereas FOXA1 had a minimum effect on the transcription. Uteroglobin is a multifunctional protein with anti-inflammatory/immunomodulatory properties. Uteroglobin inhibits soluble phospholipase A(2) activity and binds and perhaps sequesters hydrophobic ligands such as progesterone, retinols, polychlorinated biphenyls, phospholipids, and prostaglandins. In addition to its anti-inflammatory activities, Uteroglobin manifests antichemotactic, antiallergic, antitumorigenic, and embryonic growth-stimulatory activities. Uteroglobin is a potential drug target. The mechanism of Uteroglobin action is likely to be even more complex as it also functions via a putative receptor-mediated pathway.

Synonym: 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, Cc10, Ugb,CC16,CCSP,PCB-BP,UG,UGB,Utg

Molecular Weight:	9.2 kDa
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UniProt:	<a href="#">Q06318</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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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.
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