9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SCGB1A1 Human, His

Uteroglobin Human Recombinant, His Tag
CYK0525

Product Overview

Name	SCGB1A1 Human, His
Description	
Uteroglobin Human Recombinant, His Tag	
Accession (Primary)	P11684
Synonyms	
Uteroglobin, Clara cell phospholipid-binding protein, CCPBP, Clara cells 10 kDa secretory protein, CC10, Secretoglobin family 1A member 1, Urinary protein 1, UP-1, UP1, Urine protein 1, SCGB1A1, CCSP, UGB, CC16.	
Introduction	
Uteroglobin (SCGB1A1) which belongs to the Secretoglobin (SCGBs) superfamily, is a multifunctional protein that exerts anti-inflammatory and anti-tumorigenic effects by binding small hydrophobic molecules such as phospholipids and prostaglandins. Uteroglobin is involved in numerous functions including anti-inflammation, inhibition of phospholipase A2 and the sequestering of hydrophobic ligands. SCGB1A1 is expressed by Clara cells, the non-ciliated, non-mucous secretory cells predominant in lung bronchioles, and by other epithelia which communicate with the external environment. On top of sequestering pro-inflammatory mediators and carcinogens, Uteroglobin is implicated in the inhibition of cell migration and invasion, platelet aggregation, and T cell differentiation. SCGB1A1 gene defects are associated with a susceptibility to asthma.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.4 μm) and lyophilized from 0.5 mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	

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Amino acid sequence

MKHHHHHHAS EICPSFQRVI ETLLMDTPSS YEAAMELFSP DQDMREAGAQ LKKLVDTLPQ KPRESIIKLM EKIAQSSLCN.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. SCGB1A1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

SCGB1A1 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P11684)