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32-1706: SCGB1A1 His Recombinant Protein

Alternative Name :	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.

Description

Source : Escherichia Coli. Uteroglobin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 80 amino acids and including a 10 a.a N-terminal His tag. The total molecular mass is 9.2kDa (calculated). 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.

Product Info

Amount :	10 µg
Purification :	as determined by densitometric image analysis is greater than 90%.
Content :	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.
Storage condition :	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.
Amino Acid :	MKHHHHHHASEICPSFQRVI ETLLMDTPSS YEAAMELFSP DQDMREAGAQ LKKLVDTLPQ KPRESIIKLM EKIAQSSLCN.

Application Note

It is recommended to add 200Ã‚Âµl 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.