

Recombinant Human Uteroglobin-Related Protein 1/UGRP1 Protein

Cat.NO.: TP05391

3th Edition

Synonyms: Secretoglobin Family 3A Member 2; Pneumo Secretory Protein 1; PnSP-1; Uteroglobin-Related Protein 1; SCGB3A2; PNSP1; UGRP1

Description: Uteroglobin-Related Protein 1 (UGRP1) belongs to the secretoglobin family which has been suggested to play a role in lung inflammation and allergic diseases. UGRP1 is a 17 kDa secreted homodimeric protein that shows amino acid sequence similarity with uteroglobin. UGRP1 is expressed predominantly in the lung and low levels of expression are detected in the thyroid. Expression of UGRP1 in lung epithelial cells is enhanced by IL-10 and decreased through the activities of IL-9 and IL-5. UGRP1 interacts with the macrophage scavenger receptor with collagenous structure which is expressed by alveolar macrophages in the lung. It has been suggested that UGRP1 may be involved in inflammation and pathogen clearance in the lung by binding to its receptor.

Form: PBS

Molecular Weight: 7.9 kDa

Sequences: Phe22-Val93

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 µg of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.