

## 32-7168: Recombinant Human Uteroglobin-Related Protein 1/UGRP1

**Gene :** SCGB3A2

**Gene ID :** 117156

**Uniprot ID :** Q96PL1

### Description

Source: E.coli.

MW :7.9kD.

Recombinant Human Uteroglobin-Related Protein 1 is produced by our E.coli expression system and the target gene encoding Phe22-Val93 is expressed. Uteroglobin-Related Protein 1 (UGRP1) belongs to the secretoglobulin 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** FLINKVPLPVDKLAPLPLDNILPFMDPLKLLKTLGISVEHLVEGLRKCVNELGPEASEAVKLLLEALSHLV

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.