

Product Name: Recombinant Human UGRP1
Catalog #: PEH1786

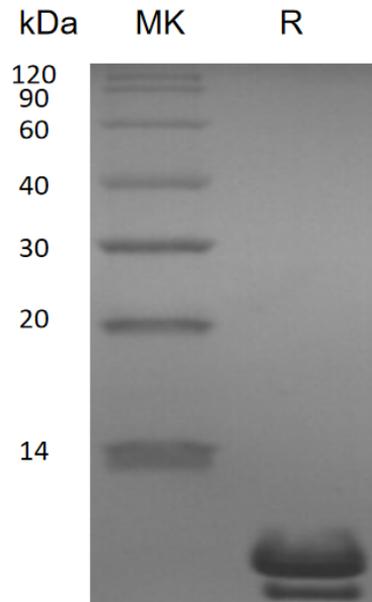


Summary

Name	UGRP1/SCGB3A2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Uteroglobin-Related Protein 1 is produced by our E.coli expression system and the target gene encoding Phe22-Val93 is expressed.
Accession #	Q96PL1
Host	E.coli
Species	Human
Predicted Molecular Mass	7.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

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

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.