

Human Uteroglobin/SCGB1A1 (His Tag) recombinant protein



Catalog Number: 500122

General Information

Gene Name Synonym

Clara cell phospholipid-binding protein; Clara cells 10 kDa secretory protein; Secretoglobin family 1A member 1; Urinary protein 1

Protein Construction

A DNA sequence encoding the human SCGB1A1 (P11684) (Met 1-Asn 91) was expressed, with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cell line. When 5×10^4 cells/well are added to human SCGB1A1 coated plates (2 $\mu\text{g/ml}$ and 100 $\mu\text{l/well}$), approximately >30% will adhere after one hour at 37 °C.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 22

Molecular Mass

The recombinant human SCGB1A1 consists of 81 amino acids and migrates as a 9.2 kDa band as predicted in SDS-PAGE under reducing conditions.

Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

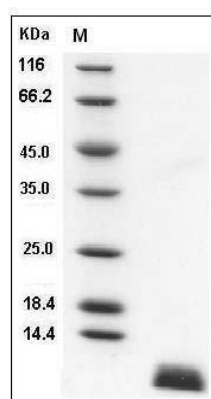
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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