

Mouse Uteroglobin/SCGB1A1 (His Tag) recombinant protein



Catalog Number: 502779

General Information

Gene Name Synonym

Clara cell 17 kDa protein; Clara cell phospholipid-binding protein; Clara cells 10 kDa secretory protein; PCB-binding protein; Secretoglobin family 1A member 1

Protein Construction

A DNA sequence encoding the mouse SCGB1A1 (Q06318) (Met 1-Phe 96) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Mouse

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 SCGB1A1 coated plates (5 $\mu\text{g}/\text{ml}$ with 100 $\mu\text{l}/\text{well}$), approximately >40% will adhere after 1 hour at 37°C.

Purity

> 88 % 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

Asp 22

Molecular Mass

The recombinant mouse SCGB1A1 consists of 86 amino acids and has a predicted molecular mass of 9.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm SCGB1A1 is approximately 12 kDa.

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

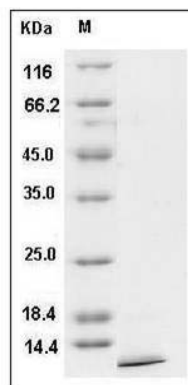
Storage

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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