

Human SFTPD / SP-D / SFTP4 (His Tag) recombinant protein



Catalog Number: 500643

General Information

Gene Name Synonym

Collectin-7; Lung surfactant protein D

Protein Construction

A DNA sequence encoding the human SFTPD (NP_003010.4) precursor (Met 1-Phe 375) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 90 % 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

Ala 21

Molecular Mass

The pro form of human SFTPD consists of 366

amino acids and predicts a molecular mass of 37 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of SFTPD is 47 kDa due to glycosylation.

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

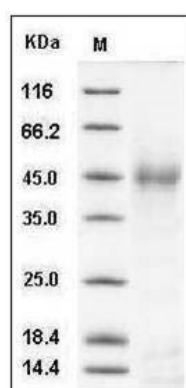
Storage

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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