

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



Catalog Number: 502409

## General Information

### Gene Name Synonym

Lung surfactant protein D

### Protein Construction

A DNA sequence encoding the mouse SFTPD (NP\_033186.1) precursor (Met 1-Phe 374) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ala 20

### Molecular Mass

The secreted recombinant mouse SFTPD consists

of 366 amino acids and has a calculated molecular mass of 37.2 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 45 kDa protein 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

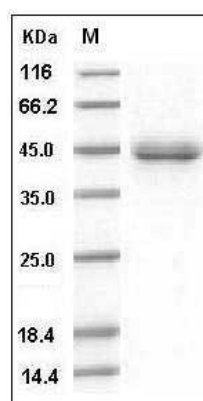
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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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SDS-PAGE