

## Recombinant Mouse Sftpd protein, His-tagged

**Cat. No.** Sftpd-865M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Sftpd protein(NP_033186.1)(Met1-Phe374), fused with His tag, was expressed in HEK293.                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-374 a.a.                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Molecular Mass</b>   | 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.                        |
| <b>Proteinlength</b>    | Met1-Phe374                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                                                                  |

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Sftpd surfactant associated protein D \[ Mus musculus \]](#)

**Official Symbol** [Sftpd](#)

**Synonyms** SFTPD; surfactant associated protein D; pulmonary surfactant-associated protein D; PSP-D; lung surfactant protein D; SP-D; Sftp4; AI573415;

**Gene ID** [20390](#)

**mRNA Refseq** [NM\\_009160](#)

**Protein Refseq** [NP\\_033186](#)

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