

## Recombinant Human SFTPD Protein, His-tagged

Cat. No. SFTPD-1237H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SFTPD Protein (Ala21-Phe375) with His tag was expressed in 293F.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala21-Phe375
<b>Description</b>	The protein encoded by this gene is part of the innate immune response, protecting the lungs against inhaled microorganisms and chemicals. The encoded protein may also be involved in surfactant metabolism.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 37.1 kDa; Accurate Molecular Mass: 44 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

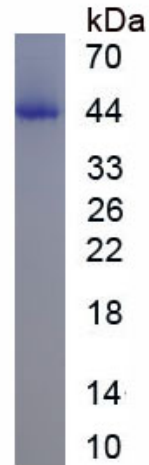
## GENE INFORMATION

<b>Gene Name</b>	SFTPD surfactant protein D [ Homo sapiens (human) ]
<b>Official Symbol</b>	SFTPD
<b>Synonyms</b>	SFTPD; surfactant protein D; SP-D; PSP-D; SFTP4; COLEC7; pulmonary surfactant-associated protein D; collectin-7; lung surfactant protein D; pulmonary surfactant apoprotein; surfactant-associated protein, pulmonary 4
<b>Gene ID</b>	6441
<b>mRNA Refseq</b>	NM_003019
<b>Protein Refseq</b>	NP_003010
<b>MIM</b>	178635
<b>UniProt ID</b>	P35247

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