

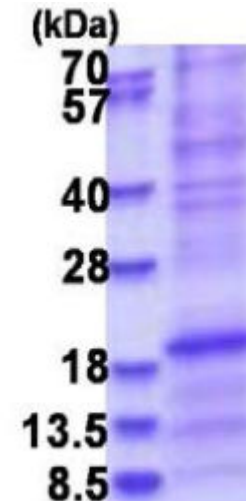
## SFTPD, human recombinant

<b>CATALOG #:</b>	7328-100	100 µg
<b>ALTERNATE NAMES:</b>	Pulmonary surfactant-associated protein D precursor, COLEC7, PSP-D, SFTP4, SP-D	
<b>SOURCE:</b>	E. coli	
<b>PURITY:</b>	> 80% by SDS-PAGE	
<b>MOL. WEIGHT:</b>	18.9 kDa (175 aa, 224-375 aa + His Tag), confirmed by MALDI-TOF.	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1 µg of protein	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, and 0.4 M Urea.	

**STORAGE CONDITIONS:** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** SFTPD, as known as Surfactant pulmonary-associated protein D, is a member of the collectin family of C-type lectins that is synthesized in many tissues including respiratory epithelial cells in the lung, and contains one C-type lectin domain and one collagen-like domain. It is humoral molecules of the innate immune system, and is considered a functional candidate in chronic periodontitis. Besides it is involved in the development of acute and chronic inflammation of the lung. Several human lung diseases are characterized by decreased levels of bronchoalveolar SFTPD. Recombinant human SFTPD protein, fused to His-tag at N-terminus, was expressed in E.coli.

**AMINO ACID SEQUENCE:** MGSSHHHHHH SGLVPRGSH MGSVASLRQQ  
VEALQGGVQH LQAAFSQYKK VELFPNGQSV GEKIFKTAGF VKPFTEAQLL  
CTQAGGQLAS PRSAAENAAL QQLVVAKNEA AFLSMTDSKT EGKFTYPTGE  
SLVYSNWAPG EPNDDGGSED CVEIFTNGKW NDRACGEKRL VVCEF



15% SDS-PAGE (3µg)

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**RELATED PRODUCTS:**

- Galectin-1, human recombinant (Cat. No. 4648-10, -50, -1000)
- Galectin-3, human recombinant (Cat. No. 4684-10, -50, -1000)
- Galectin-7, human recombinant (Cat. No. 4647-10, -50, -1000)

**FOR RESEARCH USE ONLY! Not to be used in humans.**