

Datasheet for ABIN7320367
SFTPD Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SFTPD
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SFTPD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SFTPD/SP-D Protein (His Tag)
Sequence:	Met 1-Phe 374
Characteristics:	A DNA sequence encoding the mouse SFTPD (NP_033186.1) precursor (Met 1-Phe 374) was expressed with a C-terminal polyhistidine tag.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	SFTPD
Alternative Name:	SFTPD/SP-D (SFTPD Products)
Background:	Background: Surfactant pulmonary-associated protein D, also known as SFTPD and SP-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-

Target Details

like domain. The polymorphic variation in the N-terminal domain of the SP-D molecule influences oligomerization, function, and the concentration of the molecule in serum. SFTPD is produced primarily by alveolar type II cells and nonciliated bronchiolar cells in the lung and is constitutively secreted into the alveoli where it influences surfactant homeostasis, effector cell functions, and host defense. It is upregulated in a variety of inflammatory and infectious conditions including Pneumocystis pneumonia and asthma. SFTPD 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. Thus, recombinant SFTPD has been proposed as a therapeutical option for cystic fibrosis, neonatal lung disease and smoking-induced emphysema. Furthermore, SFTPD serum levels can be used as disease activity markers for interstitial lung diseases.

Synonym: COLEC7, Collectin 7, Lung surfactant protein D, PSPD, Pulmonary surfactant-associated protein D, SFTPD, SPD, SP-D, SP-Dpulmonary surfactant apoprotein, surfactant protein D, surfactant, pulmonary-associated protein D,SFTP4

Molecular Weight:	37.2 kDa
-------------------	----------

NCBI Accession:	NP_033186
-----------------	---------------------------

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

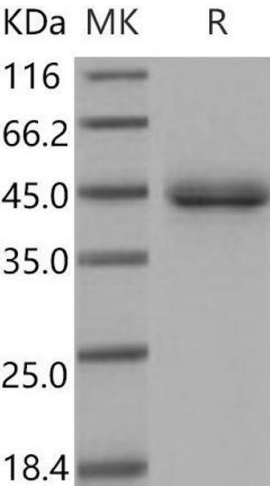
Format:	Lyophilized
---------	-------------

Reconstitution:	Please refer to the printed manual for detailed information.
-----------------	--

Buffer:	Lyophilized from sterile PBS, pH 7.4
---------	--------------------------------------

Storage:	4 °C,-20 °C,-80 °C
----------	--------------------

Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
------------------	---



Western Blotting

Image 1.