

SFTPD, human recombinant protein**Pulmonary surfactant-associated protein D precursor, COLEC7, PSP-D, SFTP4, SP-D**
Catalog # PBV10952r**Specification**

SFTPD, human recombinant protein - Product info

Primary Accession	P35247
Concentration	1
Calculated MW	18.9 kDa (175 aa, 224-375 aa + His Tag), confirmed by MALDI-TOF. kDa

SFTPD, human recombinant protein - Additional Info

Gene ID	6441
Gene Symbol	SFTPD
Other Names	
Pulmonary surfactant-associated protein D precursor, COLEC7, PSP-D, SFTP4, SP-D	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥80%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGSVASLRQQ VEALQGQVQH LQAQFSQYKK VELFPNGQSV GEKIFKTAGF VKPFTEAQLL CTQAGGQLAS PRSAANAAL QQLVVAKNEA AFLSMTDSKT EGKFTYPTGE SLVYSNWAPG EPNDDGGSED CVEIFTNGKW NDRACGEKRL VVCEF

Target/Specificity
SFTPD**Format**
Liquid**Storage**
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, and 0.4 M Urea.**SFTPD, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

SFTPD, human recombinant protein - Images**SFTPD, human recombinant protein - Background**

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.

SFTPD, human recombinant protein - References

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Crouch E.,et al.J. Biol. Chem. 268:2976-2983(1993).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 429:375-381(2004).
Crouch E.,et al.Am. J. Pathol. 142:241-248(1993).