

Recombinant Human SFTPD, His-tagged

Cat. No. SFTPD-238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SFTPD, 224-375aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	224-375aa
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
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	18.9 kDa (175aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSVASLRQQ VEALQGQVQH LQAAFSQYKK VELFPNGQSV GEKIFKTAGF VKPFTEAQLL CTQAGGQLAS PRSAAENAAL QQLVVAKNEA AFLSMTDSKT EGKFTYPTGE SLVYSNWAPG EPNDDGGSED

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CVEIFTNGKW NDRACGEKRL VVCEF

Purity >80% by SDS - PAGE

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

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [SFTPD surfactant protein D \[Homo sapiens \]](#)

Official Symbol SFTPD

Synonyms SFTPD; surfactant protein D; SFTP4, surfactant, pulmonary associated protein D; pulmonary surfactant-associated protein D; COLEC7; SP D; collectin 7; collectin-7; lung surfactant protein D; pulmonary surfactant apoprotein; surfactant, pulmonary-associated protein D; surfactant-associated protein, pulmonary 4; SP-D; PSP-D; SFTP4;

Gene ID [6441](#)

mRNA Refseq [NM_003019](#)

Protein Refseq [NP_003010](#)

MIM [178635](#)

UniProt ID [P35247](#)

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Chromosome Location	10q22.2-q23.1
Pathway	FOXA1 transcription factor network, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Regulation of retinoblastoma protein, organism-specific biosystem;
Function	bacterial cell surface binding; protein binding; sugar binding;

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