

**SFTPD, 224-375aa, Human, His tag, E.coli**

**Cat.NO.: TP03917**

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3th Edition

**Synonyms:**Pulmonary surfactant-associated protein D precursor, COLEC7, PSP-D, SFTP4, SP-D

**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 Weight:**18.9 kDa(175aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSVASLRQQVEALQGQVQHLQAAFSQYKKVELFPNGQSVGEKIFKTAGFVKPF  
TEAQLLCTQAGGQLASPRSAENAALQLLVAKNEAFLSMTDSKTEGKFTYPTGESLVYSNWAPGEPNDDGGS  
EDCVEIFTNGKWNDRACGEKRLVVCEF

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**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.