

## Recombinant Human SFTPD Protein (21–375 aa), His-tagged

Cat. No. SFTPD-1849H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SFTPD Protein (21–375 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length of Mature Protein.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	21–375 aa
<b>Description</b>	Contributes to the lung's defense against inhaled microorganisms, organic antigens and toxins. Interacts with compounds such as bacterial lipopolysaccharides, oligosaccharides and fatty acids and modulates leukocyte action in immune response. May participate in the Extracellular domain reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	35.2 kDa
<b>AA Sequence</b>	AEMKTYSHRTMPSACTLVMCSSVESGLPGRDGRDGRDREGPRGEKGDPLPGAAGQ AGMPGQAGPVGPKGDNGSVGEPGPKGDTGPSGPPGPPGVPGPAGREGPLGKQG NIGPQGKPGPKGEAGPKGEVGAQGMQGSAGARGLAGPKGERGVPGERGVPGNT GAAGSAGAMGPQGSPGARGPPGLKGDGKIPGDKGAKGESGLPDVASLRQQVEAL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QGQVQHLQAAFSQYKKVELFPNGQSVGEKIFKTAGFVKPFTEAQLLCTQAGGQLAS  
 PRSAAENAALQQLVVAKNEAAFLSMTDSKTEGKFTYPTGESLVYSNWAPGEPNDD  
 GGSEDCVEIF

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

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

**Official Symbol** [SFTPD](#)

**Synonyms** SFTPD; surfactant protein D; COLEC7; SP D; collectin 7; collectin-7; SP-D; PSP-D; SFTP4;

**Gene ID** [6441](#)

**mRNA Refseq** [NM\\_003019](#)

**Protein Refseq** [NP\\_003010](#)

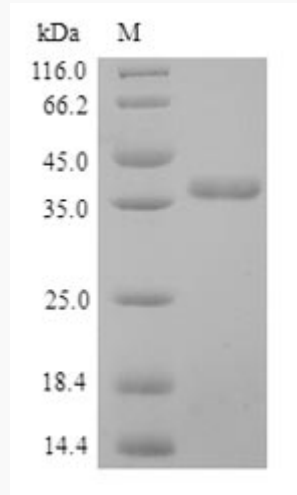
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 178635

UniProt ID P35247



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA