

Recombinant Rat Sftpd Protein, His-tagged

Cat. No. Sftpd-1238R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sftpd Protein (Ala20-Phe374) with His tag was expressed in CHO.
Species	Rat
Source	CHO
ProteinLength	Ala20-Phe374
Description	Enables identical protein binding activity; lipopolysaccharide binding activity; and monosaccharide binding activity. Involved in several processes, including negative regulation of interleukin-2 production; opsonization; and regulation of phagocytosis. Located in extracellular space; multivesicular body; and rough endoplasmic reticulum. Biomarker of Coronavirus infectious disease; asthma; bacterial pneumonia; lung disease; and newborn respiratory distress syndrome. Human ortholog(s) of this gene implicated in asthma; lung disease (multiple); respiratory syncytial virus infectious disease; and rhinitis. Orthologous to human SFTPD (surfactant protein D).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.1 kDa; Accurate Molecular Mass: 46 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

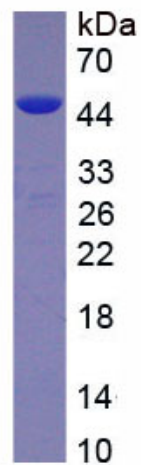
GENE INFORMATION

Gene Name	Sftpd surfactant protein D [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Sftpd
Synonyms	SFTPD; surfactant protein D; SP-D; PSP-D; SFTP4; COLEC7; pulmonary surfactant-associated protein D; collectin-7; lung surfactant protein D; pulmonary surfactant apoprotein; surfactant-associated protein, pulmonary 4
Gene ID	25350
mRNA Refseq	NM_012878
Protein Refseq	NP_037010
UniProt ID	www.uniprot.org/uniprot/P35248

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