

Recombinant Rat Sftpb protein, His & T7-tagged

Cat. No. Sftpb-1721R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sftpb aa. (Arg111~His329 (Accession # XM_006236657.2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Arg111~His329
Description	Acts to lower surface tension in lung alveoli.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Sftpb surfactant protein B [*Rattus norvegicus* (Norway rat)]

Official Symbol

Sftpb

Synonyms

Sftpb; surfactant protein B; Sp-b; pulmonary surfactant-associated protein B; pulmonary surfactant-associated proteolipid SPL(Phe); surfactant associated protein B; surfactant, pulmonary-associated protein B

Gene ID

192155

mRNA Refseq

NM_138842.1

Protein Refseq

NP_620197.1

UniProt ID

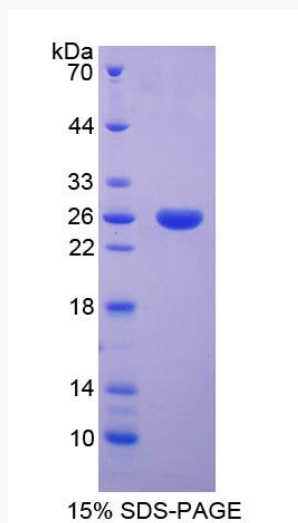
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SDS-PAGE



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