

## Recombinant Rat Sftpc protein, His & GST-tagged

Cat. No. Sftpc-1723R    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Sftpc aa. (Met1~Ile194 (Accession # P11685)) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Ile194
<b>Description</b>	Promotes reduction of surface tension in the lung.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 51.0kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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.

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

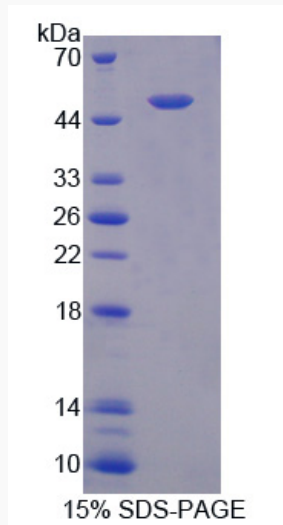
<b>Gene Name</b>	Sftpc surfactant protein C [ Rattus norvegicus (Norway rat) ]
<b>Official Symbol</b>	Sftpc
<b>Synonyms</b>	Sftpc; surfactant protein C; SP-C; pulmonary surfactant-associated protein C; Surfactant, pulmonary-associated protein C; pulmonary surfactant-associated proteolipid SPL(Val); surfactant associated protein C
<b>Gene ID</b>	50683
<b>mRNA Refseq</b>	NM_017342.2
<b>Protein Refseq</b>	NP_059038.1
<b>UniProt ID</b>	P11685

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**SDS-PAGE**



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