Recombinant Rat Sftpc protein, His & GST-tagged

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

SPECIFICATION

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

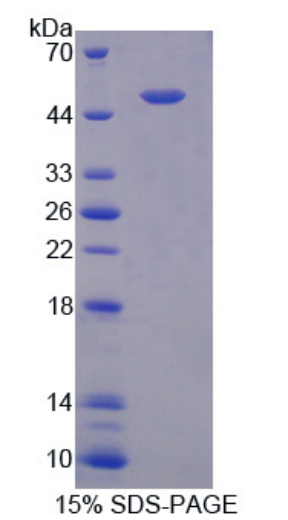
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	at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under 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	Sftpc surfactant protein C [Rattus norvegicus (Norway rat)]
Official Symbol	Sftpc
Synonyms	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
Gene ID	50683
mRNA Refseq	NM_017342.2
Protein Refseq	NP_059038.1
UniProt ID	P11685

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SDS-PAGE	 15% SDS-PAGE

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