

## Product datasheet

# Recombinant Human Prosurfactant Protein C ab114293

画像数 1

### 製品の詳細

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製品名	Recombinant Human Prosurfactant Protein C
発現系	Wheat germ
アクセッション番号	<b>P11686</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MDVGSKEVLMESPPDYSAAPRGRFGIPRCPVHLKRLLIIVVVV VVLIVVVI VGALLMGLHMSQKHEMVLMSIGAPEAQRLALSEHLVTTA TFSIGSTG LVVYDYQQLLIAYKPAPGTCCYIMKIAPEIPSLEALNRKVH NFQMECSL QAKPAVPTSKLGQAEGRDAGSAPSGGDP AFLGMAVNTLCGEV PLYI
予測される分子量	47 kDa including tags
領域	1 to 197
製品の詳細	Recombinant Human Prosurfactant Protein C

### 特性

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Our **Abpromise guarantee** covers the use of **ab114293** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Western blot ELISA SDS-PAGE
製品の状態	Liquid

### 前処理および保存

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保存方法および安定性 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

## 関連情報

### 機能

Pulmonary surfactant associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces.

### 関連疾患

Defects in SFTPC are the cause of pulmonary surfactant metabolism dysfunction type 2 (SMDP2) [MIM:610913]; also called pulmonary alveolar proteinosis due to surfactant protein C deficiency. A rare disease associated with progressive respiratory insufficiency and lung disease with a variable clinical course, due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.

Genetic variations in SFTPC are a cause of susceptibility to respiratory distress syndrome in premature infants (RDS) [MIM:267450]; also known as RDS in prematurity. RDS is a lung disease affecting usually premature newborn infants. It is characterized by deficient gas exchange, diffuse atelectasis, high-permeability lung edema and fibrin-rich alveolar deposits called 'hyaline membranes'.

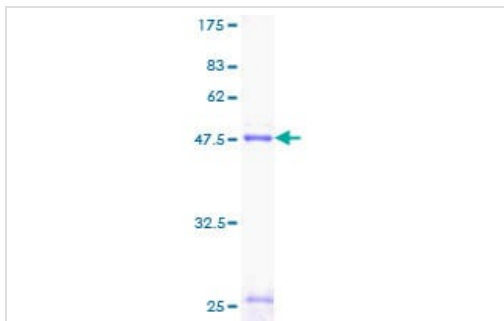
### 配列類似性

Contains 1 BRICHOS domain.

### 細胞内局在

Secreted > extracellular space > surface film.

## 画像



ab114293 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Prosurfactant Protein C (ab114293)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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