

Product datasheet

Recombinant Human Surfactant protein D/SP-D (denatured) ab181961

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human Surfactant protein D/SP-D (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P35247</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	VASLRQQ VEALQGQVQH LQAAFSQQYKK VELFPNGQSV GEKIFKTAGF VKPFTEAQLL CTQAGGQLAS PRSAANAAL QQLVVAKNEA AFLSMTDSKT EGKFTYPTGE SLVYSNWAPG EPNDDGGSED CVEIFTNGKW NDRACGEKRL VVCEF
Predicted molecular weight	19 kDa including tags
Amino acids	224 to 375
Tags	His tag N-Terminus
Additional sequence information	NP_003010

Specifications

Our **Abpromise guarantee** covers the use of **ab181961** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid
Additional notes	Previously labelled as Surfactant protein D.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 2.4% Urea

General Info

Function

Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.

Sequence similarities

Belongs to the SFTPD family.
Contains 1 C-type lectin domain.
Contains 1 collagen-like domain.

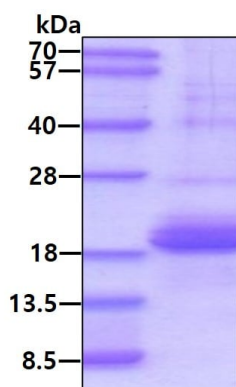
Post-translational modifications

The N-terminus is blocked.
Hydroxylation on proline residues within the sequence motif, GXPG, is most likely to be 4-hydroxy as this fits the requirement for 4-hydroxylation in vertebrates.

Cellular localization

Secreted > extracellular space > extracellular matrix. Secreted > extracellular space > surface film.

Images



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

SDS-PAGE - Recombinant Human Surfactant protein D/SP-D (denatured) (ab181961)

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