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# Recombinant Human Lung surfactant protein D/SFTPD(E22G) Protein

**Catalog No.: RP00117** Recombinant

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| Human | 6441 | P35247 |

**Tags**
C-His

**Synonyms**
SFTPD;COLEC7;PSP-D;SFTP4;SP-D

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |

| Calculated MW | Observed MW |
|---|---|
| 36.27 kDa | 40-50 kDa |

**Endotoxin**
< 0.1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

**Reconstitution**
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact


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## Background

The protein encoded by this gene is part of the innate immune response, protecting the lungs against inhaled microorganisms and chemicals. The encoded protein may also be involved in surfactant metabolism.

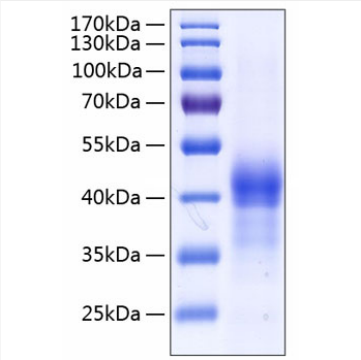
## Basic Information

**Description**
Recombinant Human Lung surfactant protein D/SFTPD(E22G) Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala21-Phe375 (Glu22Gly)) of human SFTPD/SP-D/SFTP4 (Accession #NP_003010.4) fused with a 6×His tag at the C-terminus.

**Bio-Activity**

**Storage**
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

## Validation Data




Recombinant Human Lung surfactant protein D/SFTPD(E22G) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.