

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	> 97% 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 stabilizer (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 6xHis tag at the C-terminus.

Bio-Activity

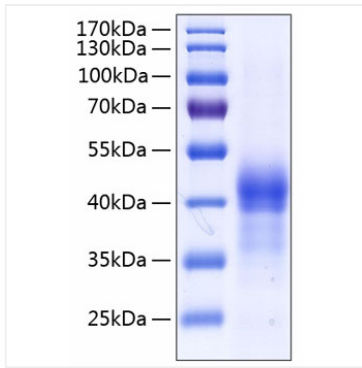
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C 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 with Coomassie Blue, showing a band at 40-50 kDa.