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

Catalog No.: RP00117

Sequence Information

Species	Gene ID
Human	6441
Swiss Prot	**Tags**
P35247	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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

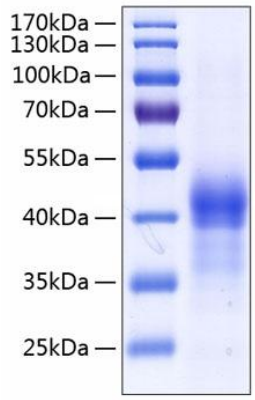
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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