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Datasheet for ABIN7534010
SFTPD Protein (Glu22Gly) (His tag)

Overview

Quantity:	100 µg
Target:	SFTPD
Protein Characteristics:	Glu22Gly
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SFTPD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Lung surfactant protein D/SFTPD(E22G) Protein
Sequence:	AEMKTYSHRT MPSACTLVMC SSVESGLPGR DGRDGREGPR GEKGDPLPG AAGQAGMPGQ AGPVGPKGDN GSVGEPGPKG DTGPGPPGP PGVPGPAGRE GPLGKQGNIG PQGKPGPKGE AGPKGEVGAP GMQGSAGARG LAGPKGERGV PGERGVPGNT GAAGSAGAMG PQGSPGARGP PGLKGDKGIP GDKGAKGESG LPDVASLRQQ VEALQGQVQH LQAAFSQYKK VELFPNGQSV GEKIFKTAGF VKPFTEAQLL CTQAGGQLAS PRSAAENAAL QQLVVAKNEA AFLSMTDSKT EGKFTYPTGE SLVYSNWAPG EPNDDGGSED CVEIFTNGKW NDRACGEKRL VVCEF
Specificity:	Ala21-Phe375(E22G)
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	SFTPD
Alternative Name:	Lung surfactant protein D/SFTPD (SFTPD Products)
Background:	<p>Description: 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.</p> <p>Name: SFTPD,COLEC7,PSP-D,SFTP4,SP-D</p>
Gene ID:	6441
UniProt:	P35247

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>