HuPro®

SFTPB (Human) Recombinant Protein

Catalog # P9409 Size 2 x 10 ug

Specification

Product Description	Human SFTPB (P07988, 25 a.a. - 381 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
Sequence	WTTSSLACAQGPEFWCQSLEQALQCRALGHCLQEVWGHVGADDLCQECEDIVHILNKMAKEAI FQDTMRKFLEQECNVLPLKLLMPQCNQVLDDYFPLVIDYFQNQTDSNGICMHLGLCKSRQPEPE QEPGMSDPLPKPLRDPLPDPLLDKLVLPVLPGALQARPGPHTQDLSEQQFPIPLPYCWLCRALIK RIQAMIPKGALAVAVAQVCRVVPLVAGGICQCLAERYSVILLDTLLGRMLPQLVCRLVLRCSMDDS AGPRSPTGEWLPRDSECHLCMSVTTQAGNSSEQAIPQAMLQACVGSWLDREKCKQFVEQHTP QLLTLVPRGWDAHTTCQALGVCGTMSSPLQCIHSPDLHHHHHH
Host	Mammals
Theoretical MW (kDa)	40.4
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

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Gene Info — SFTPB

Entrez GeneID	6439
Protein Accession#	P07988
Gene Name	SFTPB
Gene Alias	PSP-B, SFTB3, SFTP3, SMDP1, SP-B
Gene Description	surfactant protein B
Omim ID	178640 265120
Gene Ontology	Hyperlink
Gene Summary	The SFTPB gene encodes the pulmonary-associated surfactant B protein (SPB), an amphipathic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a lipid-rich material that prevents lung collapse by lowering surface tension at the air-liquid interface in the alveoli of lung. SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Surfactant is composed of phospholipids and other surfactant-associated pro teins (Clark et al., 1995 [PubMed 7644495]). See also SFTPA1 (MIM 178630), SFTPC (MIM 178 620), and SFTPD (MIM 178635).[supplied by OMIM
Other Designations	Pulmonary surfactant-associated protein B, 18kD|surfactant, pulmonary-associated protein B

Disease

- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Anoxia
- Asthma
- Bronchiolitis
- Bronchopulmonary Dysplasia
- Carcinoma
- Community-Acquired Infections
- Critical Illness
- Diseases in Twins

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- Ductus Arteriosus
- Emphysema
- Genetic Predisposition to Disease
- Hypercapnia
- Hypertension
- Infant
- Lung carcinoma
- Lung Diseases
- Lung Neoplasms
- Occupational Diseases
- Pneumonia
- Pulmonary Disease
- Pulmonary Fibrosis
- Respiratory Distress Syndrome
- Respiratory Insufficiency
- Respiratory Syncytial Virus Infections
- Scleroderma
- Sepsis
- Shock

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