

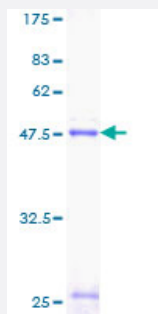
Full-Length

SFTPC (Human) Recombinant Protein (P01)

Catalog # H00006440-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SFTPC full-length ORF (AAH05913, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDVGSKEVLMEPPDYSAAPRGRFGIPRCPVHLKRLIVVVVVVLIVVIVGALLMGLHMSQKHTEMVLEMSIGAPEAQQRLALSEHLVTTATFSIGSTGLVVYDYQQLLIAYKPAPGTCCYIMKIAPESIPSL EALNRKVHNFQMECSLQAKPAVPTSKLGQAEGRDAGSAPSGGDP AFLGMAVNTLCGEVPLYI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.41
Interspecies Antigen Sequence	Mouse (78); Rat (77)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SFTPC

Entrez GeneID [6440](#)

GeneBank Accession# [BC005913](#)

Protein Accession# [AAH05913](#)

Gene Name SFTPC

Gene Alias PSP-C, SFTP2, SMDP2, SP-C

Gene Description surfactant protein C

Omim ID [178500](#) [178620](#) [265120](#) [610913](#)

Gene Ontology [Hyperlink](#)

Gene Summary The SFTPC gene encodes pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. It is produced exclusively by type II alveolar epithelial cells in the lung. 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. Surfactant is composed of phospholipids and other surfactant-associated proteins (Clark and Clark, 2005 [PubMed 15927881]). See also SFTPA1 (MIM 178630), SFTPB (MIM 178640), and SFTPD (MIM 178635).[supplied by OMIM]

Other Designations pulmonary surfactant apoprotein-2 SP-C|surfactant, pulmonary-associated protein C

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
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