

## SFTPB Protein, Human, Recombinant

### General Information

Synonyms:	SFTP3;SFTPB;Pulmonary surfactant-associated proteolipid SPL(Phe);6 kDa protein;18 kDa pulmonary-surfactant protein;SP-B;Pulmonary surfactant-associated protein B
Protein Construction:	201-279 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P07988
Molecular Weight:	8.7 kDa (predicted)
AA Sequence:	FPIPLPYCWLCRALIKRIQAMIPK GALAVAVAQVCRVVPLVAGGICQCLAERYSVILLDTLLGRMLPQLVCRLVLRCSM

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Pulmonary surfactant-associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces. SP-B increases the collapse pressure of palmitic acid to nearly 70 millinewtons per meter.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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