

## PRODUCT DATA SHEET

### Pulmonary Surfactant-Associated Protein B Human HEK293

**Cat. No.:** RD172520100

**Size:** 0.1 mg

**Source:** HEK293

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

Surfactant Protein B; SP-B; 18 kDa pulmonary-surfactant protein; 6 kDa protein; Pulmonary surfactant-associated proteolipid SPL (Phe); SFTP3; Surfactant, Pulmonary-Associated Protein B; SMDP1; SFTB3

#### Description:

Total 363 AA. MW: 40.4 kDa (calculated). UniProtKB acc. No. P07988 (Trp25–Leu381). C-terminal His-tag (6 extra AA). Protein identity confirmed by MS.

#### Amino Acid Sequence:

WTSSLACAQ GPEFWCQSLE QALQCRAIGH CLQEVWGHVG ADDLCQECED IVHILNKMAK  
EAI FQDTMRK FLEQECNVLP LKLLMPQCNO VLDDYFPLVI DYFQNTDSN GICMHLGLCK  
SRQPEPEQEP GMSDPLPKPL RDPLPDPLLD KLVLPLVLPAL QARPGPHTQD LSEQQFPPIPL  
PYCWLCRALI KRIQAMIPKG ALAVAVAQVC RVVPLVAGGI CQCLAERYSV ILLDTLLGRM  
LPQLVCRLLV RCSMDDSAGP RSPTGEWLPR DSECHLCMSV TTQAGNSSEQ AIPQAMLQAC  
VGSWLDREKC KQFVEQHTPQ LLTLVPRGWD AHTTCQALGV CGTMSSPLQC IHSPDLHHHH HH

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, 5% w/v trehalose pH 7.4.

#### Reconstitution:

Add 200 μl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.