

## Recombinant Human SFTP A1 protein, His-B2M & Myc-tagged

**Cat. No.** SFTP A1-2445H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SFTP A1 protein(Q8IWL2)(21-248aa), fused to N-terminal His-B2M tag and C-terminal Myc tag, was expressed in E. coli.                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 21-248aa                                                                                                                                                                                                                                                |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>        |
| <b>Molecular Mass</b>   | 41.2 kDa                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | EVKDVCGVSPGIPGTPGSHGLPGRDGRDGLKGDPGPPGPMGPPGEMPCPPGNDG<br>LPGAPGIPGECGEKGEPGERGPPGLPAHLDEELQATLHDFRHQILQTRGALSLQGSI<br>MTVGEEKVFSSNGQSITFDAIQEACARAGGRIAVPRNPEENEAIASFVKKYNTYAYVG<br>LTEGPSPGDFRYS DGTPVNYTNWYRGEPAGRGKEQCVEMYTDGQWNDNRNCLYS<br>RLTICEF |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                             |
| <b>Storage</b>          | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated                                                                                                                                                                    |

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freeze-thaw cycles.

#### Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** [SFTPA1 surfactant protein A1 \[ Homo sapiens \]](#)

**Official Symbol** [SFTPA1](#)

#### Synonyms

SFTPA1; surfactant protein A1; SFTP1, surfactant, pulmonary associated protein A1; pulmonary surfactant-associated protein A1; COLEC4; SP A; SP A1; surfactant; pulmonary associated protein A1A; collectin-4; surfactant protein A1B; alveolar proteinosis protein; surfactant protein A1 variant AD 6A; surfactant protein A1 variant AD 6A2; surfactant protein A1 variant AD 6A3; surfactant protein A1 variant AD 6A4; surfactant protein A1 variant ACD 6A2; surfactant protein A1 variant ACD 6A3; surfactant protein A1 variant ACD 6A4; surfactant protein A1 variant ABD 6A2; surfactant protein A1 variant ABD 6A3; surfactant protein A1 variant ABD 6A4; surfactant, pulmonary-associated protein A1A; surfactant, pulmonary-associated protein A1B; 35 kDa pulmonary surfactant-associated protein; SPA; PSAP; PSPA; SP-A; SPA1; PSP-A; SFTP1; SP-A1; SFTPA1B; FLJ50593; FLJ51913; FLJ61144; FLJ77898; FLJ79095; FLJ99559; MGC133365; MGC198590;

**Gene ID** [653509](#)

**mRNA Refseq** [NM\\_001093770](#)

**Protein Refseq** [NP\\_001087239](#)

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| MIM | 178630 |
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| UniProt ID | Q8IWL2 |
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