

## Surfactant Associated Protein D (SPD) Recombinant Protein | SPD recombinant protein

Eukaryotic Surfactant Associated Protein D (SPD)

|                               |                          |                                               |
|-------------------------------|--------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA152068</b> | HOST<br><b>293F cell</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|--------------------------|-----------------------------------------------|

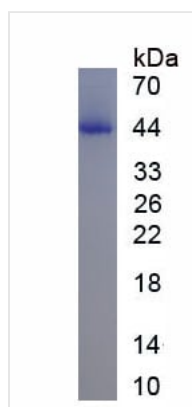
### PRODUCT SYNONYMS

Surfactant Associated Protein D (SPD); Eukaryotic Surfactant Associated Protein D (SPD); SPD/Surfactant Associated Protein D; SFTPD; COLEC7; PSP-D; SFTP4; SP-D; Pulmonary Surfactant Protein D; Collectin-7; Lung surfactant protein D; SPD recombinant protein

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                                | 293F cell                                                                                                    |
| Purity/Purification                                 | Greater than 95% by SDS-PAGE                                                                                 |
| Form/Format                                         | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.<br>Freeze-dried powder               |
| Sequence                                            | Ala21~Phe375                                                                                                 |
| Applicable Applications for SPD recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                     |
| Expression System                                   | Eukaryotic expression                                                                                        |
| Species                                             | Human                                                                                                        |
| Isoelectric Point                                   | 6.5                                                                                                          |
| Tag                                                 | N-terminal His Tag                                                                                           |
| Endotoxin Level                                     | <1.0EU per 1ug (determined by the LAL method)                                                                |
| Reconstitution                                      | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0mg/mL. Do not vortex.                          |
| Subcellular Location                                | Secreted                                                                                                     |
| Preparation and Storage                             | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored. |

### IMAGES



Sequence

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AEMKTYSHRT MPSACTLVMC SSVESGLPGR
DGRDREGPR GEKGDPLPG AAGQAGMPQ AGPVGPKGN GSVGEPKPG
DTGPSGPPGP PGVPGPAGRE GPLGKQGNIG PQGKPGPKGE AGPKGEVGAP
GMQGSAGARG LAGPKGERGV PGERGVPGNT GAAGSAGAMG PQGSPGARGP
PGLKGDKGIP GDKGAKGESG LPDVASLRQQ VEALQGQVQH LQAAFSQYKK
VELFPNGQSV GEKIFKTAGF VKPFTEAQLL CTQAGGQLAS PRSAENAAAL
QQLVAKNEA AFLSMTDSKT EGKFTYPTGE SLVYSNWAPG EPNDGGQSED
CVEIFTNGKW NDRACGEKRL VVCEF

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SDS-PAGE  
SDS-PAGE

ADDITIONAL INFORMATION

|                                                       |                                                                     |
|-------------------------------------------------------|---------------------------------------------------------------------|
| Product Categories/Family for SPD recombinant protein | Infection immunity; Pulmonology; Eukaryotic Recombinant proteins/EP |
|-------------------------------------------------------|---------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 61699226                                                                                                                                                                                                                |
| NCBI GeneID                      | 6441                                                                                                                                                                                                                    |
| NCBI Accession #                 | NP_003010.4                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_003019.4                                                                                                                                                                                                             |
| UniProt Accession #              | P35247; Q5T0M3; Q6FH08; Q86YK9; Q8TCD8; Q9UCJ2; Q9UCJ3                                                                                                                                                                  |
| Molecular Weight                 | 37,728 Da                                                                                                                                                                                                               |
| NCBI Official Full Name          | pulmonary surfactant-associated protein D                                                                                                                                                                               |
| NCBI Official Synonym Full Names | surfactant protein D                                                                                                                                                                                                    |
| NCBI Official Symbol             | SFTPD                                                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | SP-D; PSP-D; SFTP4; COLEC7                                                                                                                                                                                              |
| NCBI Protein Information         | pulmonary surfactant-associated protein D; collectin 7; collectin-7; lung surfactant protein D; pulmonary surfactant apoprotein; surfactant, pulmonary-associated protein D; surfactant-associated protein, pulmonary 4 |
| UniProt Protein Name             | Pulmonary surfactant-associated protein D                                                                                                                                                                               |
| UniProt Gene Name                | SFTPD                                                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | COLEC7; PSPD; SFTP4; PSP-D; SP-D                                                                                                                                                                                        |
| UniProt Entry Name               | SFTPD_HUMAN                                                                                                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sftpd-recombinant-protein-293f-cell-wb-western-blot-sds-page-immunogen-positive-control/152068>