

Recombinant Human Surfactant protein D/SP-D (His tag) ab229373

1 Image

Description

| | | | |
|---------------------------------|--|--|--|
| Product name | Recombinant Human Surfactant protein D/SP-D (His tag) | | |
| Purity | > 90 % SDS-PAGE. Affinity purified | | |
| Endotoxin level | < 1.000 Eu/µg | | |
| Expression system | Baculovirus infected insect cells | | |
| Accession | <u>P35247</u> | | |
| Protein length | Full length protein | | |
| Animal free | No | | |
| Nature | Recombinant | | |
| Species | Human | | |
| Sequence | ADPEMKTYSHRTMP SACTLVMCSSVESGLPGRDGRDGR EGPRGEKGD PGL PGAAGQAGMPGQAGPVGPKGDNGSVGEPGPKGDTGPS GPPGPPGVPGPAG REGPLGKQGNIGPQGKPGPKGEAGPKGEVGAPGMQGS A GARGLAGPKGER GVPGERGVPGNTGAAGSAGAMGPQGSPGARGPPGLKG DKGIPGDKGAKGE SGLPDVASLRQQVEALQGQVQHLQAAFSQYKKVELFPN GQSVGEKIFKTA GFVKPFTEAQLLCTQAGGQLASPRSA AENAALQQLVVA K NEAAFLSMTDS KTEGKFTYPTGESLVYSNWAPGEPNDDGGSEDCVEIFTN GKWND RACGEK RLVVCEFH HHHHHH | | |
| Predicted molecular weight | 37 kDa including tags | | |
| Amino acids | 22 to 375 | | |
| Tags | His tag C-Terminus | | |
| Additional sequence information | This product is the mature full length protein from aa 22 to 375. The signal peptide is not included (NP_003010). | | |

Specifications

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Our **Abpromise guarantee** covers the use of **ab229373** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|-------------------------|--|
| Applications | SDS-PAGE |
| Form | Liquid |
| Additional notes | Previously labelled as Surfactant protein D. |

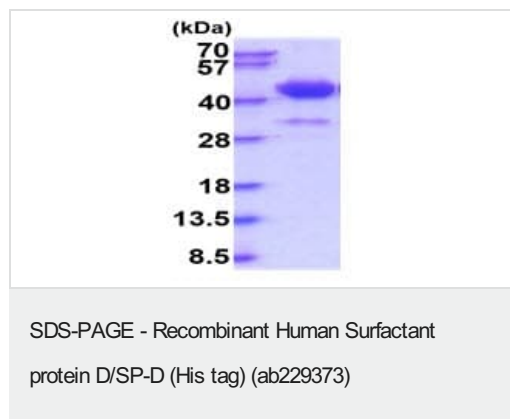
Preparation and Storage

| | |
|------------------------------|---|
| Stability and Storage | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: PBS, 10% Glycerol (glycerin, glycerine) |
|------------------------------|---|

General Info

| | |
|---|--|
| Function | Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties. |
| Sequence similarities | Belongs to the SFTPD family. Contains 1 C-type lectin domain. Contains 1 collagen-like domain. |
| Post-translational modifications | The N-terminus is blocked. Hydroxylation on proline residues within the sequence motif, GXPG, is most likely to be 4-hydroxy as this fits the requirement for 4-hydroxylation in vertebrates. |
| Cellular localization | Secreted > extracellular space > extracellular matrix. Secreted > extracellular space > surface film. |

Images



15% SDS-PAGE analysis of 3 µg ab229373.

MW: 40-57 kDa (SDS-PAGE under reducing conditions).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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