

Product information

SFTPD, 22-375aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3747

Full name: Pulmonary surfactant-associated protein D

NCBI Accession No.: NP_003010

Synonyms: SFTPD, COLEC7, PSP-D, SFTP4, SP-D

Description: SFTPD, also known as pulmonary surfactant-associated protein D, is a member of the collectin family of innate immune modulators. It contributes to the lung's defense against inhaled microorganisms, organic antigens and toxins. This protein interacts with compounds such as bacterial lipopolysaccharides, oligosaccharides and fatty acids and modulates leukocyte action in immune response. Recombinant human SFTPD protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

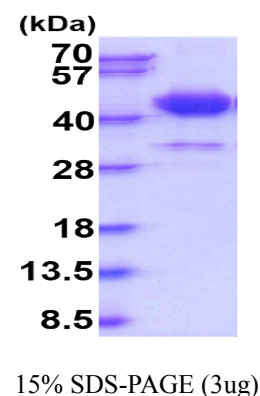
Molecular Weight: 36.5kDa (363aa)
40-57KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 90% by SDS - PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

ADPEMKTYSH RTMPSACTLV MCSSVESGLP GRDGRDREG PRGEKGDPL PGAAGQAGMP GQAGVPGPK DNGSVGEPGP KGDTGPSGPP
 GPPGVPGPAG REGPLGKQGN IGPQKPGPK GEAGPKGEVG APGMQGSAGA RLAGPKGER GVPGERGVP NTGAAGSAGA MGPGGSPGAR
 GPPGLKGDKG IPGDKGAKGE SGLPDVASLR QQVEALQQV QHLQAAFSQY KKVELFPNGQ SVGEKIFKTA GFVKPFTEAQ LLCTQAGGQL
 ASPRSAAENA ALQQLVAKN EAAFLSMTDS KTEGKFTYPT GESLVYSNWA PGEPNDDGGS EDCVEIFTNG KWNDRACGEK RLVVCEFHHH
HHH

General references:

Soto-Cárdenas MJ., *et al*, (2015) *J Rheumatol*. 42:111-118.

Sorensen GL., *et al*, (2016) *Atherosclerosis*. 246:7-12.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Product information

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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Manufactured for:

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