

Product datasheet for **RC229672**

SFTPC (NM_001172410) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SFTPC (NM_001172410) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SFTPC
Synonyms: BRICD6; PSP-C; SFTP2; SMDP2; SP-C; SP5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229672 representing NM_001172410
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTGGGCAGCAAAGAGGTCCTGATGGAGAGCCCGCCGACTACTCCGCAGCTCCCCGGGGCCGAT
TTGGCATTCCCTGCTGCCAGTGACCTGAAACGCCTTCTATCGTGGTGGTGGTGGTCTCATCGT
CGTGGTGATTGTGGGAGCCCTGCTCATGGGTCTCCACATGAGCCAGAAACACACGGAGATGGTTCTGGAG
ATGAGCATTGGGGCGCCGAAGCCAGCAACGCCTGGCCCTGAGTGAGCACCTGGTTACCACTGCCACCT
TCTCCATCGGCTCCACTGGCCTCGTGGTGTATGACTACCAGCAGCTGCTGATCGCCTACAAGCCAGCCCC
TGGCACCTGCTGCTACATCATGAAGATAGCTCCAGAGAGCATCCCCAGTCTTGAGGCTCTCAATAGAAAA
GTCCACAACCTCCAGATGGAATGCTCTCTGCAGGCCAAGCCCGCAGTGCCTACGTCTAAGCTGGGCCAGG
CAGAGGGGCGAGATGCAGGCTCAGCACCTCCGGAGGGGACCCGGCCTTCTGGGCATGGCCGTGAACAC
CCTGTGTGGCGAGGTGCCGCTCTACTACATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229672 representing NM_001172410
Red=Cloning site Green=Tags(s)

MDVGSKEVLMESPPDYSAAPRGRFGIPCCPVHLKRLLIIVVVVIVVVIVGALLMGLHMSQKHEMVLV
MSIGAPEAQQLALSEHLVTTATFSIGSTGLVVDYQQLLIAYKPAPGTCCYIMKIAPESIPSLEALNRK
VHNFQMECSLQAKPAVPTSKLGQAEGRDAGSAPSGGDP AFLGMAVN TLCGEVPLYYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



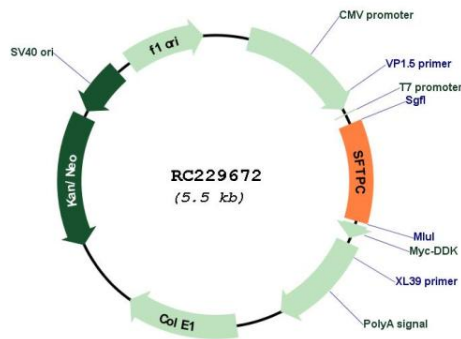
[View online »](#)

Protein Families: Secreted Protein, Transmembrane

MW: 21.5 kDa

Gene Summary: This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex composed of 90% lipids and 10% proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 2, also called pulmonary alveolar proteinosis due to surfactant protein C deficiency, and are associated with interstitial lung disease in older infants, children, and adults. Alternatively spliced transcript variants encoding different protein isoforms have been identified.[provided by RefSeq, Feb 2010]

Product images:



Circular map for RC229672