

Product datasheet for RC229661

SFTPC (NM_001172357) Human Tagged ORF Clone

Product data:

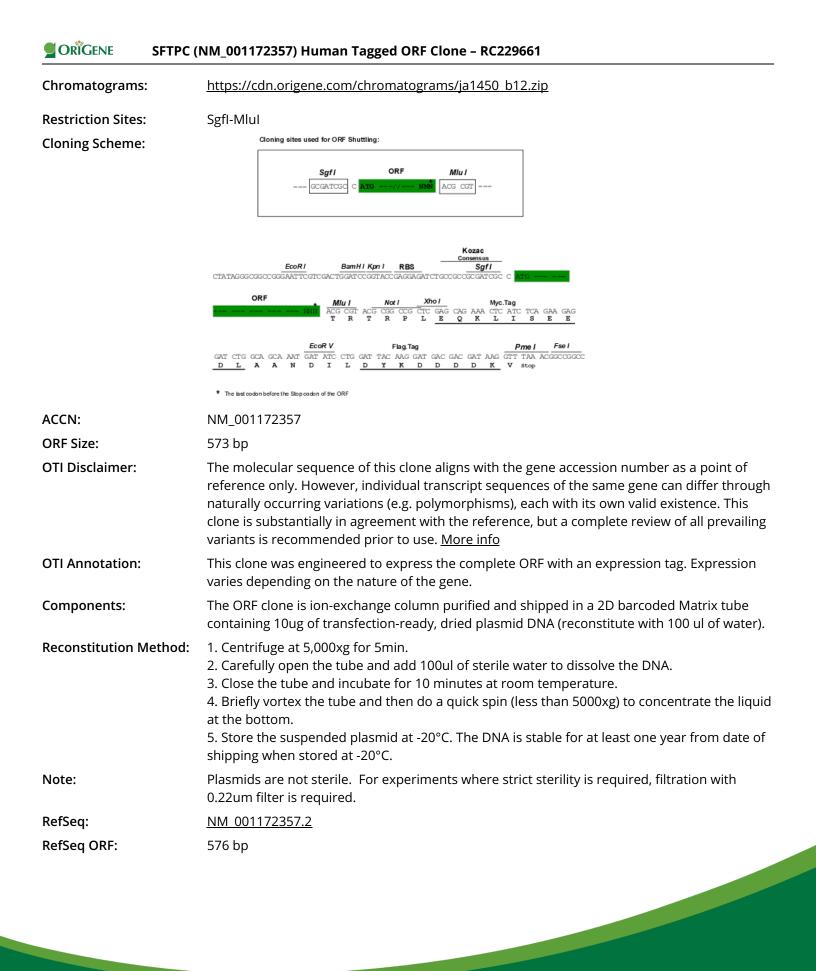
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	SFTPC (NM_001172357) 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:	<pre>>RC229661 representing NM_001172357 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGATGTGGGCAGCAAAGAGGTCCTGATGGAGAGCCCGCCGGACTACTCCGCAGCTCCCCGGGGCCGAT TTGGCATTCCCTGCTGCCCAGTGCACCTGAAACGCCTTCTTATCGTGGTGGTGGTGGTGGTGGTCCTCATCGT CGTGGTGATTGTGGGAGCCCTGCTCATGGGTCTCCACATGAGCCAGAAACACACGGAAGATGGTTCTGGAG ATGAGCATTGGGGCGCCGGAAGCCCAGCAACGCCTGGCCCTGAGTGAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC229661 representing NM_001172357 Red=Cloning site Green=Tags(s)</pre>
	MDVGSKEVLMESPPDYSAAPRGRFGIPCCPVHLKRLLIVVVVVLIVVVIVGALLMGLHMSQKHTEMVLE MSIGAPEAQQRLALSEHLVTTATFSIGSTGLVVYDYQQLLIAYKPAPGTCCYIMKIAPESIPSLEALTRK VHNFQAKPAVPTSKLGQAEGRDAGSAPSGGDPAFLGMAVSTLCGEVPLYYI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



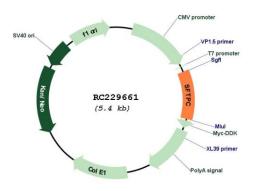
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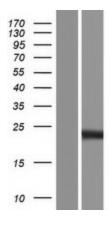
	SFTPC (NM_001172357) Human Tagged ORF Clone – RC229661
Locus ID:	6440
UniProt ID:	<u>P11686</u>
Cytogenetics:	8p21.3
Protein Families	Secreted Protein, Transmembrane
MW:	20.8 kDa
Gene Summary:	This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein 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 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 RC229661

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Western blot validation of overexpression lysate (Cat# [LY432661]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229661 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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