

Product datasheet for RC203246

SFTPC (NM_003018) Human Tagged ORF Clone

Product data:

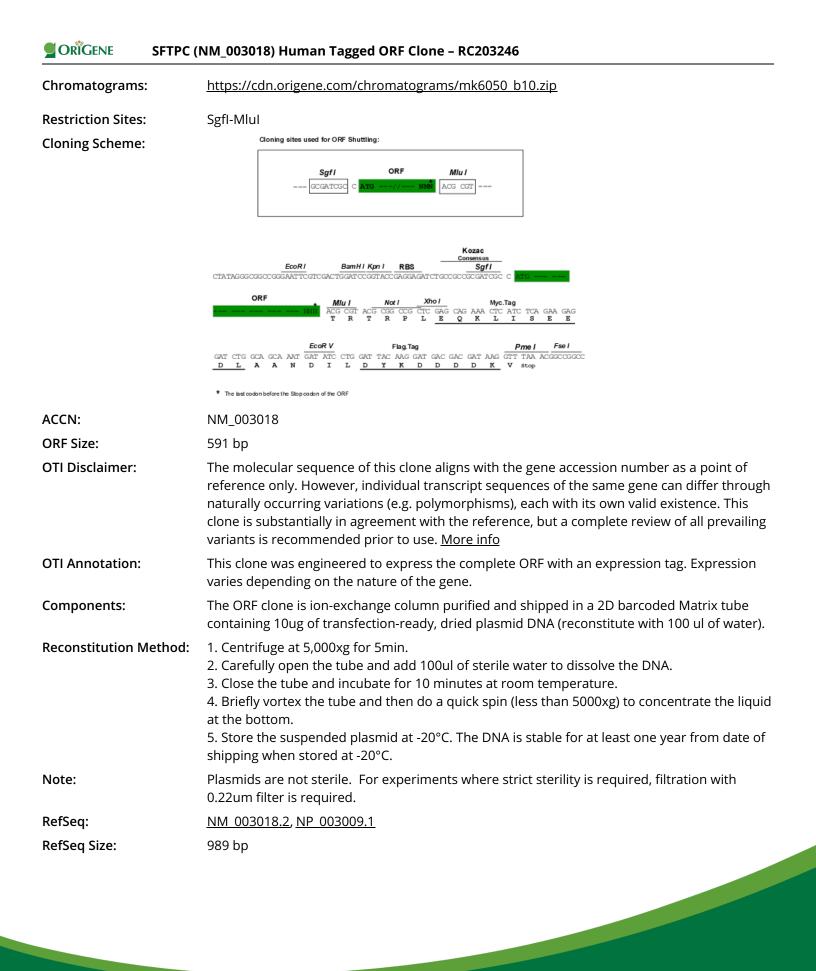
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	SFTPC (NM_003018) 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>>RC203246 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGATGTGGGCAGCAAAGAGGTCCTGATGGAGAGCCCGCCGGACTACTCCGCAGCTCCCCGGGGCCGAT TTGGCATTCCCTGCTGCCCAGTGCACCTGAAACGCCTTCTTATCGTGGTGGTGGTGGTGGTGGTCCTCATCGT CGTGGTGATTGTGGGAGCCCTGCTCATGGGTCTCCACATGAGCCAGAAACACACGGAGATGGTTCTGGAG ATGAGCATTGGGGCGCCGGAAGCCCAGCAACGCCTGGCCTGAGTGAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC203246 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MDVGSKEVLMESPPDYSAAPRGRFGIPCCPVHLKRLLIVVVVVLIVVVIVGALLMGLHMSQKHTEMVLE MSIGAPEAQQRLALSEHLVTTATFSIGSTGLVVYDYQQLLIAYKPAPGTCCYIMKIAPESIPSLEALNRK VHNFQMECSLQAKPAVPTSKLGQAEGRDAGSAPSGGDPAFLGMAVNTLCGEVPLYYI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



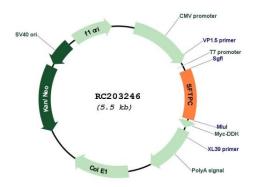
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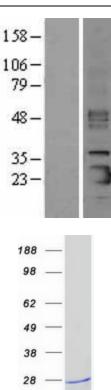
	SFTPC (NM_003018) Human Tagged ORF Clone – RC203246
RefSeq ORF:	594 bp
Locus ID:	6440
UniProt ID:	<u>P11686</u>
Cytogenetics:	8p21.3
Protein Families	Secreted Protein, Transmembrane
MW:	21.1 kDa
Gene Summary:	This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic 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 RC203246

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Western blot validation of overexpression lysate (Cat# [LY401055]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203246 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified SFTPC protein (Cat# [TP303246]). The protein was produced from HEK293T cells transfected with SFTPC cDNA clone (Cat# RC203246) using MegaTran 2.0 (Cat# [TT210002]).

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