

## Product datasheet for **SC316349**

### SFTPA2 (NM\_001098668) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFTPA2 (NM_001098668) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFTPA2
Synonyms:	COLEC5; PSAP; PSP-A; PSPA; SFTP1; SFTPA2B; SP-2A; SP-A; SPA2; SP11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001098668 edited GCCCTTACCCGACGCTGGAGGCTCTGTGTGGGTCGCTGATTTCTTGGAGCCTGAAAAG AAGGAGCAGCGACTGGACCCAGAGCCATGTGGCTGTGCCCTCTGGCCCTCACCCATCT TGATGGCAGCCTCTGGTCTGCGTGCGAAGTGAAGGACGTTTGTGTTGGAAGCCCTGGTA TCCCCGGCACTCCTGGATCCCACGGCCTGCCAGGCAGGGACGGGAGAGATGGTGTCAAAG GAGACCTGGCCCTCCAGGCCCATGGGTCCGCCTGGAGAAAACCCATGTCTCTGGGA ATAATGGGCTGCTGGAGCCCCTGGTGTCCCTGGAGAGCGTGGAGAGAAGGGGGAGGCTG GCGAGAGAGGCCCTCCAGGGCTCCAGCTCATCTAGATGAGGAGCTCCAAGCCACTCC ACGACTTCAGACATCAAATCCTGCAGACAAGGGGAGCCCTCAGTCTGCAGGGCTCCATAA TGACAGTAGGAGAGAAGTCTTCCAGCAATGGGCAGTCCATCACTTTTGATGCCATTC AGGAGGCATGTGCCAGAGCAGGGCGCCGATTGCTGTCCCAAGGAATCCAGAGGAAAATG AGGCCATTGCAAGCTTCGTGAAGAAGTACAACACATATGCCTATGTAGGCCTGACTGAGG GTCCCAGCCCTGGAGACTTCCGCTACTCAGATGGGACCCCTGAAACTACACCAACTGGT ACCGAGGGGAGCCTGCAGGTCCGGGAAAAGAGCAGTGTGTGGAGATGTACACAGATGGGC AGTGGAATGACAGGAACTGCCTGTACTCCGACTGACCATCTGTGAGTTCTGAGAGGCAT TTAGGCCATGGGACAGGGAGGATCCTGTCTGGCCTTCAGTTCCATCCCCAGGATCCACT TGGTCTGTGAGATGCTAGAACTCCCTTTCAACAG
Restriction Sites:	Please inquire
ACCN:	NM_001098668
Insert Size:	900 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001098668.1.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u>NM_001098668.1</u> , <u>NP_001092138.1</u>
<b>RefSeq Size:</b>	2189 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	729238
<b>UniProt ID:</b>	<u>Q8IWL1</u>
<b>Cytogenetics:</b>	10q22.3
<b>Gene Summary:</b>	<p>This gene is one of several genes encoding pulmonary-surfactant associated proteins (SFTPA) located on chromosome 10. Mutations in this gene and a highly similar gene located nearby, which affect the highly conserved carbohydrate recognition domain, are associated with idiopathic pulmonary fibrosis. The current version of the assembly displays only a single centromeric SFTPA gene pair rather than the two gene pairs shown in the previous assembly which were thought to have resulted from a duplication. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (1) represents the shortest transcript and encodes the shorter isoform (1). Both variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>