

Product datasheet for RN216135

Sftpa1 (NM_001270647) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sftpa1 (NM_001270647) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sftpa1
Synonyms:	PSAP; PSP-A; Sftp1; Sftpa; Sftpl; SP-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216135 representing NM_001270647 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACTGTGTTCTTTGGCCTTACCCTCTTCTTGACTGTTGTCGCTGGTATCAAGTGCAATGTGACAG
ACGTTTGTGCTGGAAGCCCTGGGATCCCTGGAGCTCCTGGAAACCATGGTCTGCCTGGCAGAGACGGGAG
AGACGGTGTCAAAGGAGACCCTGGACCTCCAGGTCCCATGGGCCCTCCTGGAGGAATGCCAGGTCTTCT
GGACGCGATGGGCTGCCCGGAGCCCTGGTGCACCTGGAGAACGTGGAGACAAGGGAGAGCCTGGAGAAA
GGGGCCTGCCAGGATTTCCAGCTTACCTGGATGAGGAGCTCCAGACTGAAGTCTATGAGATCAAACATCA
GATTCTGCAAACAATGGGAGTCCCTCAGCTTGAAGGATCCATGCTGTGAGTGGGGGATAAAGTCTTTTCC
ACCAATGGGCAGTCAGTCAACTTTGATACCATTAAGAGATGTGTACCAGAGCAGGAGGCAACATTGCTG
TCCCGAGGACTCCTGAGGAGAACGAGGCCATTGCAAGTATTGCGAAGAAGTACAACAATATGTCTACTT
GGGCATGATTGAAGACCAGACTCCTGGAGACTTCCACTACCTGGATGGGGCTTCTGTGAAGTACACCAAC
TGGTACCCAGGAGAACCCAGGGTCAAGGCAAAGAAAAGTGTGTAGAAATGTATACAGATGGGACATGGA
ATGATAGGGGCTGCCTGCAGTACCGGCTGGCTGTTGTGAATTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001270647
Insert Size:	747 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001270647.1, NP_001257576.1</u>
RefSeq Size:	1846 bp
RefSeq ORF:	747 bp
Locus ID:	24773
UniProt ID:	<u>P08427</u>
Cytogenetics:	16p14
Gene Summary:	binds LPS and modifies LPS-induced immune cell activation in the lung [RGD, Feb 2006] Transcript Variant: This variant (3) has an additional segment in the 5' region and uses a downstream start codon, compared to variant 1. The resulting isoform (3) has a shorter N-terminus compared to isoform 1.