

Product datasheet for **RR216174**

Sftpa1 (NM_001270645) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sftpa1 (NM_001270645) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sftpa1
Synonyms: PSAP; PSP-A; Sftp1; Sftpa; Sftpl; SP-A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216174 representing NM_001270645
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGCAGAAGCCACTGGGGATAGTAGCCATGTCCTGTGTTCTTTGGCCTTCACCTCTTCTTGACTG
TTGTCGCTGGTATCAAGTGCAATGTGACAGACGTTTGTGCTGGAAGCCCTGGGATCCCTGGAGCTCCTGG
AAACCATGGTCTGCCTGGCAGAGACGGGAGAGACGGTGTCAAAGGAGACCCTGGACCTCCAGGTCCCATG
GGCCCTCCTGGAGGAATGCCAGGTCTTCTGGACGCGATGGGCTGCCCGAGCCCTGGTGCACCTGGAG
AACGTGGAGACAAGGGAGAGCCTGGAGAAAGGGCCTGCCAGGATTTCCAGCTTACCTGGATGAGGAGCT
CCAGACTGAACTCTATGAGATCAAACATCAGATTCTGCAAACAATGGGAGTCCTCAGCTTGAAGGATCC
ATGCTGTCAGTGGGGATAAAGTCTTTCCACCAATGGGCAGTCAGTCAACTTTGATACCATTAAGAGA
TGTGTACCAGAGCAGGAGGCAACATTGCTGTCCCGAGGACTCCTGAGGAGAACGAGGCCATTGCAAGTAT
TGCGAAGAAGTACAACAACATGTCTACTTGGGCATGATTGAAGACCAGACTCCTGGAGACTTCCACTAC
CTGGATGGGGCTTCTGTGAACTACCAACTGGTACCCAGGAGAACCAGGGGTGAGGCAAGAAAAAGT
GTGTAGAAATGTATACAGATGGGACATGGAATGATAGGGGCTGCCTGCAGTACCGGCTGGCTGTTTGTGA
ATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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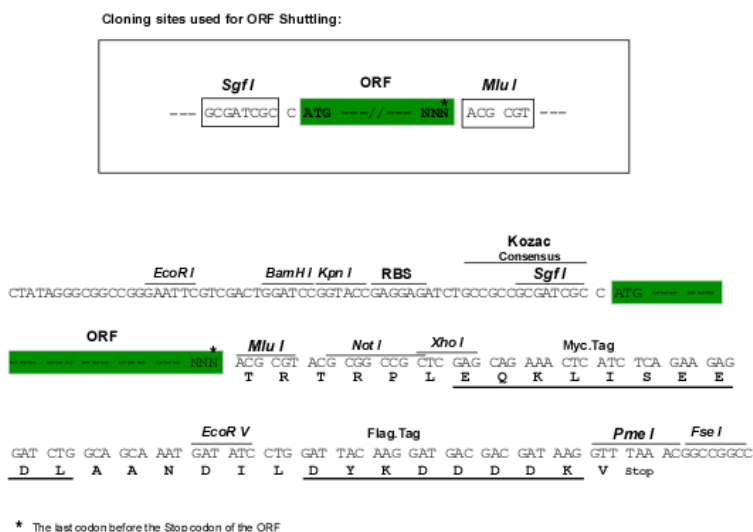
Protein Sequence: >RR216174 representing NM_001270645
 Red=Cloning site Green=Tags(s)

MWQKPLGIVAMSLCSLAFTLFLTVVAGIKCNVTDVCAGSPGIPGAPGNHGLPGRDGRDGVKGDPPGPGM
 GPPGGMPGLPGRDGLPGAPGAPGERGDKGEPGERGLPGFPAYLDEELQTELYEIKHQILQTMGVLSLQGS
 MLSVGDKVFSTNGQSVNFDTIKEMCTRAGGNIAPRTPPEENEAIASIAKKYNNYVYLGMIEDQTPGDFHY
 LDGASVNYTNWYPGEPRGQGEKCVEMYTDGTWNRDGLQYRLAVCEF

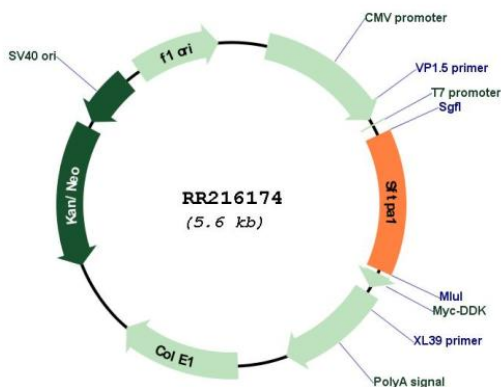
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270645
ORF Size: 774 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001270645.1 , NP_001257574.1
RefSeq Size:	1635 bp
RefSeq ORF:	777 bp
Locus ID:	24773
UniProt ID:	P08427
Cytogenetics:	16p14
MW:	27.4 kDa
Gene Summary:	binds LPS and modifies LPS-induced immune cell activation in the lung [RGD, Feb 2006]