

Product datasheet for **MR226147**

Sftpa1 (NM_023134) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sftpa1 (NM_023134) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sftpa1
Synonyms:	Sftp-1; Sftp1; SP-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226147 representing NM_023134 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACTAGGCTCTTTGGCCTTACCCTCTTCTTACTGTTGTTGCTGGCATCAAGTGCAATGGGACAG
AAGTTTGTGCCGAAGCCCTGGGATCCCTGGCACTCCCGAAACCATGGTTTGCCCGCAGAGATGGGAG
AGATGGTATCAAAGGAGACCCTGGACCTCCAGGTCCCATGGGCCCTCTGGAGGAATGCCAGGTCTTCT
GGGCGCATGGGCTGCCTGGAGCCCTGGTGCACCTGGAGAACATGGAGACAAGGGAGAGCCTGGAGAAA
GGGGGCTTCCAGGTTTCCAGCTTACCTGGATGAGGAGCTTACACTGCACTCTACGAGATCAAACATCA
GATTCTGCAAACAATGGGAGTCCCTCAGCTTGAAGGATCCATGCTGTAGTGGGGATAAAGTCTTTTCC
ACCAATGGGCAGTCAGTCAACTTTGATACCATAGAGAGATGTGTACCAGAGCCGGTGGCCACATTGCTG
CCCCGAGGAATCCTGAGGAGAACGAGGCCATCGCAAGCATTACAAAGAAGTACAACACCTATCCCTACTT
AGGTGTGATTGAAGGCCAGACTCCTGGAGACTTCCACTACCTGGATGGGGCTTCTGTGAACACCAAC
TGGTACCCAGGAGAGCCAGGGTTCGGGGCAAAGAGAAATGTGTAGAAATGTATACAGATGGGAAATGGA
ATGATAAGGGCTGCCTGCAGTACCGCTGGCCATTTGTGAATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226147 representing NM_023134
 Red=Cloning site Green=Tags(s)

MSLGSLAFTLFLTVVAGIKCNGTEVCAGSPGIPGTPGNHGLPGRDGRDGIKGDPPGPMGPPGGMPGLP
 GRDGLPGAPGAPGEHGDKGEPGERGLPGFPAYLDEELQTALYEIKHQILQTMGVLSLQGSMLSVGDKVFS
 TNGQSVNFDTIREMCTRAGGHIAAPRNPEENEAIASITKKYNTYPYLVGIEGQTPGDFHYLDGASVNYTN
 WYPGEPRGRGKEKCVEMYTDGKWNKGLQYRLAICEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023134

ORF Size: 744 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_023134.5](#)

RefSeq Size: 2775 bp

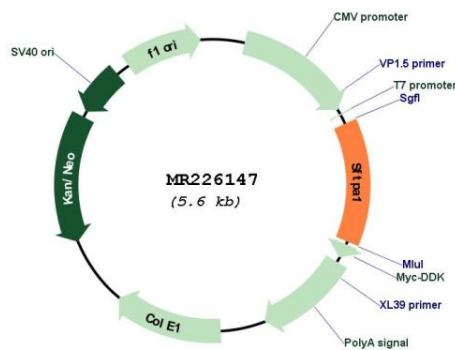
RefSeq ORF: 747 bp

Locus ID: 20387

Cytogenetics: 14 22.36 cM

MW: 26.6 kDa

Product images:



Circular map for MR226147