

Product datasheet for **RR208855**

Sftpb (NM_138842) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sftpb (NM_138842) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sftpb
Synonyms:	Sp-b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208855 representing NM_138842 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAAGTTACATCTGCAGTGGCTACTGCTCCTTCTACACTCTGCAGCCTAGGCGCAGCTACAGAGT
CGGCCTCGTCCCGGATTGTGCACAAGGCCCTAAATTCTGGTGCCAAAGCCTGGAGCAAGCGATACAGTG
CAGAGCCCTGGGGCACTGCCTACAGGAAGTCTGGGGACATGCAGGAGCTAATGACCTGTGCCAAGAGTGT
GAGGATATTGTCCACCTCCTCACAAAGTAGCCAAGGAAGACGCTTCCAGGACACGATCCGGAAGTTC
TGGAAACAAGAATGTGATATCCTACCCTTGAAGCTGCTTGTGCCCGGTGTGCGCAAGTGCTTGATGTCTA
CCTGCCCTGGTTATCGACTACTTCCAGGGCCAGATTAACCCAAAGCCATCTGCAGTCAATGTGGCCCTG
TGCCCACTTGGGCAGACTAAGCCAGAGCAGAAGCCGAGATGCTGGATGCCATCCAAACCTCTGCTGA
ACAAGCTGGTCCCTCCCTGCGCTGCCAGGAGCCTTCTTGGCAAGGCCTGGGCCTCACACACAGGACCTCTC
TGAGCAACAGTCCCCATCCCTGCCCCCTTCTGCTGGCTTTCAGGACTCTGATCAAGCGGTCCAAGCT
GTGATCCCAAGGGTGTGCTGGCCGTGGCTGTGCCAGGTGTGCCACGTGGTACCCCTGGTGGTGGGTG
GCATCTGCCAGTGCCTGGCTGAGCGTTACACAGTACTTCTACTAGATGCAGTCTGGTGGTGGTGGC
CCAGCTAGTCTGTGGCCTGGTCCCGATGTTCCACTGCAGATGCCATTGGCCAGCCCTCCCTGCTCTG
GAGCCTCTGATTGAAAAATGGCCACTGCAAGACTGAGTGCCATTTCTGCAAGTCTGTGATCAACCAGG
CCTGGAACACCAGTGAACAGGCTATGCCACAGGCAATGCACCAGGCTGCCTTCGCTTCTGGCTAGACAG
GCAAAAAGTGTGAGCAGTTTGTGGAACAGCACATGCCCCAGCTGCTGGCCCTGGTGCCTAGGAGCCAGGAT
GCCACACCTCCTGCCAGGCCCTTGAGTATGTGAGGCCCGGCCAGCCCTCTGCAATGCTTCAAACCC
CACACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208855 representing NM_138842
 Red=Cloning site Green=Tags(s)

MAKLHLQWLLLLPTLCSLGAATESASSPDCAQGPWFVCQSLEQAIQCRALGHCLQEIVWGHAGANDLCQEC
 EDIVHLLTKMTKEDAFQDTIRKFLQECDILPLKLLVPRCRQVLDVYLPVIDYFQGQIKPKAICSHVGL
 CPLGQTKPEQKPEMLDAIPNLLNKLVLPALPGAFLARPGPHTQDLSEQQLP IPLPFCWLCRTL IKR VQA
 VIPKGVLA VAVSQVCHVVPLVVGIGICQCLAERYTVLLLDALLGRVVPQLVCGLVLCSTADAIGPALPAL
 EPLIEKWPLQDTECHFCKSVINQAWNTSEQAMPQAMHQACLRFWLDROKCEQFVEQHMPQLLALVPRSQD
 AHTSCQALGVCEAPASPLQCFQTPHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

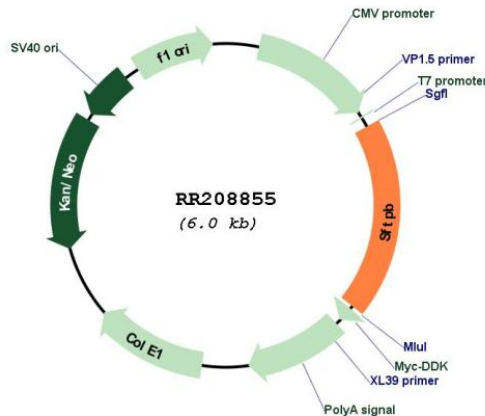
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138842

ORF Size:	1128 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_138842.1 , NP_620197.1
RefSeq Size:	1494 bp
RefSeq ORF:	1131 bp
Locus ID:	192155
UniProt ID:	P22355
Cytogenetics:	4q31
MW:	41.6 kDa
Gene Summary:	acts to lower surface tension in lung alveoli [RGD, Feb 2006]