

Product datasheet for **RR204794**

Sftpd (NM_012878) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sftpd (NM_012878) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sftpd
Synonyms:	SP-D; SPD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204794 representing NM_012878 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCACTTTCTCTCCATGCTTGTCTGCTTGTACAGCCCCTGGGCGATCTGGGAGCAGAAATGAAGA
CCCTTTCGAGAGATCAATAACCAACACGTGCACCCTAGTCTTGTGTAGTCCAACAGAGAATGGCCTGCC
TGCTCGTACGGACGGGATGGCAGAGAGGGTCCACGGGGCGAGAAGGGTATCCAGTTTCCAGGACCT
ATGGGACTCTCAGGGTTGCCTGGCCCTAGAGGTCCAGTTGGGCCAAAGGAGAGAATGGCTCTGCTGGAG
AACCTGGACCAAAGGGGAGAACGTGGACTAGTTGGACCTCCAGGATCTCCAGGTATTTCTGGTCCGGCTGG
AAAAGAAGGCCCTCTGGGAAGCAGGAAACATAGGACCCAAAGGCAAACAGGTCTAAAGGAGAGGGCT
GGGCCAAAGGAGAAAGTAGGTGCTCCCGCATGCAAGGATCTGCAGGGGCAAAGGCCCTGCTGGCCCCA
AAGGAGAAAGAGGTGCCCTGGTGGAGCAAGGAGCCCTGGGAATGCTGGGGCAGCAGGACCTGCCGGACC
TGCGGGTCCACAGGGAGCTCCAGTTCCAGGGGCTCCAGGACTCAAGGGGACAGAGGTGCTCCTGGA
GACAGAGGAATCAAAGGCGAAAGTGGACTCCAGACAGTGTCTGCTGAGGCAGCAGATGGAGGCTTTGA
ATGGAAAACCTCAGCGTCTAGAGGCTGCCTTTCTCGCTATAAGAAAGCCGCGCTTTCCCTGATGGCCA
AAGTGTGGAGACAAAATCTTACGGGCGCAAACCTCGGAAGAGCCTTTTGAGGATGCCAAGGAGATGTGC
AGGCAGGCCGGAGGGCAGCTGGCCTCCCCACGTTCTGCTACTGAGAATGCTGCAGTACAGCAGCTCGTCA
CAGCCACAGCAAAGCTGCTTCTGAGTATGACAGATGTGGGCAGGAGGGCAAGTTCACTTACCCAC
AGGAGAGGCCCTGGTCTATTCTAACTGGGCTCCAGGGAGCCCAACAACATGGAGGGCAGAGAAGTGT
GTGGAGATCTTACCAATGGGCAGTGAATGACAAGGCTTGTGGAGAGCAGCGCTGGTTATCTGTGAGT
TC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204794 representing NM_012878
 Red=Cloning site Green=Tags(s)

MLHFLSMLVLLVQPLGDLGAEMKTL SQR SITNTCTLVLCSPTE NGLPGRDGRDGRGREGPRGEKGDPLGPG
 MGLSGLPGRGPVGPKEGNSAGEPGPKGERGLVGP PGSPGISGPAGKEGPS GKQGNIGPQKPGPKGEA
 GPKGEV GAPGMQGSAGAKGPAGPKGERGAPGEQGAPGNAGAAGPAGPAGPQGAPGSRGPPGLKGD RGAPG
 DRGIKGESGLPDSAALRQQMEALNGKLQRLEAAF SRYKKAALFPDQSVGDKIFRANSEEPFEDAKEMC
 RQAGGQLASPRATENAAVQQLVTAHSKAAFLSMTD VGTGTEGKFTYPTGEALVYSNWAPGEPNNGGAENC
 VEIFTNGQWNDKACGEQRLVICEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

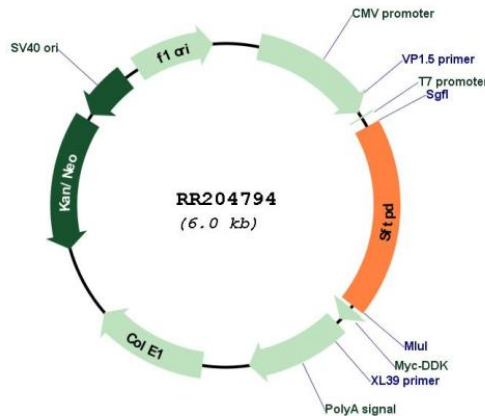
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012878

ORF Size:	1122 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_012878.2 , NP_037010.1
RefSeq Size:	1258 bp
RefSeq ORF:	1125 bp
Locus ID:	25350
UniProt ID:	P35248
Cytogenetics:	16p14
MW:	37.6 kDa
Gene Summary:	binds carbohydrates; may play a role in defense response in the lung [RGD, Feb 2006]