

Product datasheet for **RR216324**

Sfrp1 (NM_001276712) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sfrp1 (NM_001276712) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Sfrp1
 Synonyms: sFRP-1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR216324 representing NM_001276712
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGTCGGGCGCAACGCGGGGTTCGGCCAGCGAGTACGACTACGTGAGCTTCCAGTCGGATATCGGCTCCTATCA
 GAGCGGGCGCTTCTACACCAAGCCCCGAGTGGCTGGACATCCCGGTGGACCTGCGGCTGTGCCACAAC
 GTGGGCTACAAGAAGATGGTGTGCCAACCTGCTGGAGCACGAGACCATGGCAGAGGTGAAGCAGCAGG
 CCAGCAGCTGGGTGCCGCTGCTCAACAAGAACTGCCACATGGGCACCCAGGTCTTCTCTGCTCGCTCTT
 CGCGCCCGTCTGTCTGGACCGGCATCTACCCGTGTCGCTGGCTCTGCGAGGCTGTTCCGCGACTCGTGC
 GAGCCGGTCATGCAGTCTTTCGGCTTCTACTGGCCGAGATGCTCAAATGTGACAAGTTCGCCGAGGGCG
 ACGTCTGCATCGCCATGACCCCGCCCAATGCCACCGAAGCCTCGAAGCCCCAAGGTACAACAGTGTGTCC
 TCCGTGTGACAACGAGTTGAAATCGGAGGCCATCATCGAACATCTCTGTGCAAGCGAGTTTGGCGTGAGA
 ATGAAAATCAAAGAAGTAAAAAAGGAACGGGTGCAAGAGATTGTCCCAAGAAGAAGAAACCTTGAAGC
 TGGGGCCCATCAAGAAGAAGGAGCTGAAGCGGCTCGTGTCTTTCCCTAAAGAATGGCGCCGACTGTCCCTG
 CCACCAGCTGGACAACCTCAGCCACAACCTTCTCATCATGGGGCGCAAGGTGAAGAGCCAGTACTTGCTC
 ACAGCCATTACAAAGTGGGACAAGAAAAACAAGGAGTTCAAAAACCTTCAAGAAAATGAAAAACCACG
 AGTGTCCACCTTCCAGTCTGTTTTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216324 representing NM_001276712
 Red=Cloning site Green=Tags(s)

MGVGRNARGRGGGAASGVLLALAAALLAAGSASEYDVVSFQSDIGSYQSGRFYTKPPQCVDIPVDLRLCHN
 VGYKKMVLPNLLEHETMAEVKQQASSWVPLLKNCHMGTQVFLCSL FAPVCLDRPIYPCRWLCEAVRDC
 EPVMQFFGFYWPEMLKCDKFPEGDVCIAMTPPNATEASKPQGTTCVPCPDNELKSEAIIEHLCASEFALR
 MKIKEVKKERVQEIVPKKKKPLKLGPIKKKELKRLVFLKNGADCPCHQLDNL SHNFLIMGRKVKSQYLL
 TAIHKWDKKNKEFKNFMKKMKNHECPTFQSVFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

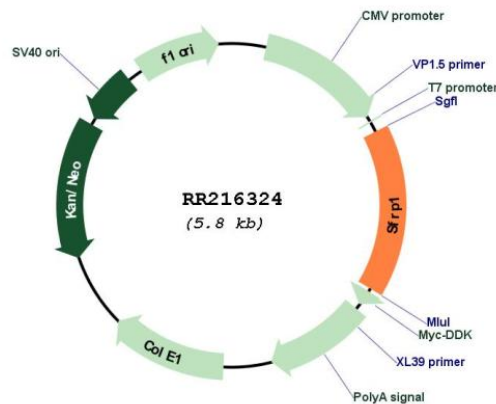
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001276712

ORF Size: 939 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_001276712.1 , NP_001263641.1
RefSeq Size:	3892 bp
RefSeq ORF:	942 bp
Locus ID:	84402
Cytogenetics:	16q12.5
MW:	35.4 kDa
Gene Summary:	a secreted protein involved in binding Wnt and antagonizing Wnt signaling [RGD, Feb 2006]