

Product datasheet for SC122029

SFRP2 (NM_003013) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRP2 (NM_003013) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFRP2
Synonyms:	FRP-2; SARP1; SDF-5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC122029 sequence for NM_003013 edited (data generated by NextGen Sequencing)

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ATGCTGCAGGGCCCTGGCTCGTCTGCTGCTCTTCTCTCGCCTCGCACTGCTGCCTGGGC
TCGGCGCGGGCTCTTCTCTTTGGCCAGCCGACTTCTCTACAAGCGCAGCAATTGC
AAGCCCATCCCGCCAACCTGCAGCTGTGCCACGGCATCGAATACCAGAACATGCGGCTG
CCCAACCTGCTGGGCCACGAGACCATGAAGGAGGTGCTGGAGCAGGCCGGCGCTTGGATC
CCGCTGGTCATGAAGCAGTGCCACCCGGACACCAAGAAGTTCTGTGCTCGCTCTTCGCC
CCCGTCTGCCTCGATGACCTAGACGAGACCATCCAGCCATGCCACTCGCTCTGCGTGCAG
GTGAAGGACCGCTGCGCCCCGGTCATGTCCGCCTTCGGCTTCCCCTGGCCCGACATGCTT
GAGTGCACCGTTTCCCCAGGACAACGACCTTTGCATCCCCCTCGCTAGCAGCGACCAC
CTCCTGCCAGCCACCGAGGAAGCTCCAAGGTATGTGAAGCCTGCAAAAAATAAAATGAT
GATGACAACGACATAATGGAAACGCTTTGTAAAAATGATTTTGCCTGAAAATAAAAGTG
AAGGAGATAACCTACATCAACCGAGATACCAAAATCATCCTGGAGACCAAGAGCAAGACC
ATTTACAAGCTGAACGGTGTGTCCGAAAGGGACCTGAAGAAATCGGTGCTGTGGCTCAA
GACAGCTTGACAGTGCACCTGTGAGGAGATGAACGACATCAACGCGCCCTATCTGGTCATG
GGACAGAAACAGGGTGGGGAGCTGGTGATCACCTCGGTGAAGCGGTGGCAGAAGGGGCAG
AGAGAGTTCAAGCGCATCTCCCGCAGCATCCGCAAGCTGCAGTGCTAG

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Clone variation with respect to NM_003013.2
132 t=>g



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003013 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGCCGCCGGCTGCCAGCT TTTCGGGGCCCCGAGTCGCACCCAGCGAAGAGAGCGGGCCCGGGACAAGCTCGAACTCCG GCCGCCTCGCCCTTCCCCGGCTCCGCTCCCTCTGCCCCCTCGGGGTCGCGCGCCACGAT GCTGCAGGGCCCTGGCTCGCTGCTGCTCTTCTCGCTCGCACTGCTGCCTGGGCTC GGCGCGGGGCTCTTCTCTTTGGCCAGCCCGACTTCTCCTACAAGCGCAGCAATTGCAA GCCCCATCCCGGCCAACCTGCAGCTGTGCCACGGCATCGAATACCAGAACATGCGGCTGCC CAACCTGCTGGGCCACGAGACCATGAAGGAGGTGCTGGAGCAGGCCGGCGCTTGATCCC GCTGGTCAAGAAGCAGTGCCACCCGGACACCAAGAAGTTCCTGTGCTCGCTCTTCCGCCC CGTCTGCCTCGATGACCTAGACGAGACCATCCAGCCATGCCACTCGCTCTGCGTGCAAGT GAAGGACCGCTGCGCCCCGGTCAATGTCCGCCTTCGGCTTCCCCTGGCCCGACATGCTTGA GTGCGACCGTTTTCCCCAGGACAACGACCTTTCATCCCCCTCGTAGCAGCGACCACCT CCTGCCAGCCACCGAGGAAGCTCCAAGGTATGTGAAGCCTGCANAAATANAAATGATGA TGACCACGACATAATGGAACCGTNTGTAAGTATTCTGCACTGAAAAATAAAAAGTGAAN GGAGATACCTACCATCACCGAGATACCANAATCATCCTGGNAGACCCAGAGCAGACCATT TACAAGCCTGAACGGTGTGCCGAAAGGACCTGAGNAAATCGNTGCTGTGGCTCAAGAA CAGCTGCAGTGCACCCTGTGAGGAGATGAACGACATCACGCGCCTCATCTGTCATGGGAC GAAACAGGNNTGGGAGCTGTGATACCTCGTNGAACGGN
Restriction Sites:	NotI-NotI
ACCN:	NM_003013
Insert Size:	1960 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_003013.2 , NP_003004.1
RefSeq Size:	2005 bp
RefSeq ORF:	888 bp
Locus ID:	6423
UniProt ID:	Q96HF1
Cytogenetics:	4q31.3
Protein Families:	Secreted Protein

Protein Pathways: Wnt signaling pathway

Gene Summary: This gene encodes a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. Methylation of this gene is a potential marker for the presence of colorectal cancer. [provided by RefSeq, Jul 2008]