

Product datasheet for SC118246

SFRP1 (NM_003012) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRP1 (NM_003012) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFRP1
Synonyms:	FRP; FRP-1; FRP1; FrzA; SARP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118246 sequence for NM_003012 edited (data generated by NextGen Sequencing)

```

ATGGGCATCGGGCGCAGCGAGGGGGGCCGCCGCGGGGCAGCCCTGGGCGTGTCTGGCG
CTGGGCGCGGCGCTTCTGGCCGTGGGCTCGGCCAGCGAGTACGACTACGTGAGCTTCCAG
TCGGACATCGGCCCGTACCAGAGCGGGCGCTTCTACACCAAGCCACCTCAGTGCCTGGAC
ATCCCCGCGGACCTGCGGCTGTGCCACAACGTGGGCTACAAGAAGATGGTGTGCCAAC
CTGCTGGAGCACGAGACCATGGCGGAGGTGAAGCAGCAGGCCAGCAGCTGGGTGCCCTG
CTCAACAAGAAGTCCACGCGGCCACCCAGGTCTTCTCTGCTCGCTCTTCGCGCCCGTC
TGCTGGACCGGCCCATCTACCCGTGTCGCTGGCTCTGCGAGGCCGTGCGCGACTCGTGC
GAGCCGGTCATGCAGTTCTTCGGCTTCTACTGGCCGAGATGCTTAAGTGTGACAAGTTC
CCCGAGGGGGACGTCTGCATCGCCATGACGCCGCCAATGCCACCGAAGCCTCCAAGCCC
CAAGGCACAACGGTGTGTCCCTGTGACAACGAGTTGAAATCTGAGGCCATCATTGAA
CATCTCTGTGCCAGCGAGTTTGCCTGAGGATGAAAATAAAGAAGTGAAGAAAGAAAAT
GGCGACAAGAAGATTGTCCCAAGAAGAAGAAGCCCTGAAGTTGGGGCCCATCAAGAAG
AAGGACCTGAAGAAGCTTGTGCTGTACCTGAAGAATGGGGCTGACTGTCCCTGCCACCAG
CTGGACAACCTCAGCCACCACTTCTCATCATGGGCCCAAGGTGAAGAGCCAGTACTTG
CTGACGGCCATCCACAAGTGGGACAAGAAAAACAAGGAGTTCAAAAACCTCATGAAGAAA
ATGAAAAACCATGAGTGCCCCACCTTTCAGTCCGTGTTAAGTGA

```

Clone variation with respect to NM_003012.4



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003012 unedited TATAGGCGGCCGGAATTCGGCACGAGGGCAGCCCCGACGTCGCGGAGACAGGGCGCAGAG GCCGGCATGGGCATCGGGCGCAGCGAGGGGGGCCCGCGGGGCCCTGGGCGTGTGCTG GCGCTGGGCGGGCGCTTCTGGCCGTGGGCTCGGCCAGCGAGTACGACTACGTGAGCTTC CAGTCGGACATCGGCCGTACCAGAGCGGGCGCTTCTACACCAAGCCACCTCAGTGCCTG GACATCCCCGCGGACCTGCGGCTGTGCCACAACGTGGGCTACAAGAAGATGGTGTGCC AACCTGTGGAGCAGGACCATGGCGGAGGTGAAGCAGCAGGCCAGCAGCTGGGTGCC CCTGCTCAACAAGAACTGCCACGCGGCCACCCAGGTCTTCTCTGCTCGCTCTCGCGCC CGTCTGCCTGGACCGGCCATCTACCCGTGTTGCTGGCTCTGCGAGGCCGTGCGCGACT CGTGCGAGCCGGTCATGCAGTTCTCGGCTTCTACTGGCCGAGATGCTTAAGTGTGACA AGTTCCCGAGGGGGGACGTCTGCATCGCCATGACGCGCCCAATGCCACCGAAGCCTCC AAGCCCCAAGACAACCGGTGTGCTCCTCCTGTGACACGAGTTGAAATCTGAGGCCATCA TTGGACATCTCTGTGCAANNCGAGTTTGCNCTGGAGGATGAAATAAAAAGAAGTAAAAA GAAATGGCGACAGGAAAATGGTCCCAGAGAAGAAGCCCTGGGGTTGGGGGCCATCAAN AANAAAGACTGAAAAACCTTGGGCTGACTTGAAAAAGGGGGTGGATTGCCCTGGACCA GTGGACAACCTTAGCCCCATTTCTCATATGGCCAAAGGGGAAACAGACTTTGTGGCG CATCCACATGGGACAGAAAAAAGGGTCAAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003012 unedited NAATCTATGNACGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTGGATTAAT TGAGTGACTTTAGTCAAGTGAATATTGATACATGNGCTGAAAAAGCATGAAAATAAATG AACACGTACGGGAATTACTATTAACATAAGCGATAACATCAAAACATCTGGTAAAATGCA GTTAAAAAACAACAATAAATGAAATGGAATGTAAAACATTTTCACAGTATCAAAGCTTT TGTAAGAGACTTAGGATCTAAAAGAGGAGTACTACAGGAAGAACTAGAGGAAACGGGAA TTTCATCCATGTCTGTGTATCTGCTGGCAACAGGTGAGAACGGCCAGTATGTTATTC TGCAGGCTGCCTAGGGTCTCCTCAACAGATCACCTGAGCCTCCTGCATCTATGAAG TTATGACACAGCAACCAGTTACTCAGAGTCTGATGAGAAAAACAGATTTTAGGTTTGGGA AATGGGATTACTGTAATTTACACATCCAAATGCAAAGTGGAGCTCTGATTGAATCTACC CTGNGGAGAACTTGATGCTAACCCACAGGTACCAAGAGCCAAGTGTACACAGGATATTN TAAAAATAAATGTTTTTGGAACTCTCACCTNCCATGCTATCTTCAAGAAACTACAAAT ATTTTCAAGATTTACCTGAGTTCTGCCAAGGACCTCCAGGACTCTATCCAGAATGGA TATTTGTAAGCTTTACAAATNCCACCTTGGCCTTAGCGAATATTAGGAAATNACAGGGC AACCTCCTCTCTCGGGAACCATGACCAGGCCATTAGTCTGACATTGGGTTTGTAAAAACC TTGGGGGAAAAACAAGCTCGGGATAATGCACTCTGGCCTCAAGAAAGCCCTTTTGGG TTTGAAATGGCGGAGGGACAAAAAACTTGATGGGTTAAAACTCAAATAGAACTATTGA CCTA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003012
Insert Size:	4300 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).
OTI Annotation:	A True Clone.
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:	<u>NM_003012.3</u> , <u>NP_003003.3</u>
RefSeq Size:	4465 bp
RefSeq ORF:	945 bp
Locus ID:	6422
UniProt ID:	<u>Q8N474</u>
Cytogenetics:	8p11.21
Domains:	FRI, NTR
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane
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. Members of this family act as soluble modulators of Wnt signaling; epigenetic silencing of SFRP genes leads to deregulated activation of the Wnt-pathway which is associated with cancer. This gene may also be involved in determining the polarity of photoreceptor cells in the retina. [provided by RefSeq, Sep 2009]