

Product datasheet for SC118247

SFRP4 (NM_003014) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRP4 (NM_003014) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFRP4
Synonyms:	FRP-4; FRPHE; FRZB-2; PYL; sFRP-4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118247 sequence for NM_003014 edited (data generated by NextGen Sequencing)

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ATGTTCTCTCCATCCTAGTGGCGCTGTGCCTGTGGCTGCACCTGGCGCTGGGCGTGCCG
GGCGCGCCCTGCGAGGCGGTGCGCATCCCTATGTGCCGGCACATGCCCTGGAACATCACG
CGGATGCCCAACCACCTGCACCACAGCAGCAGGAGAACGCCATCCTGGCCATCGAGCAG
TACGAGGAGCTGGTGGACGTGAACTGCAGCGCCGTGCTGCGCTTCTTCTCTGTGCCATG
TACGCGCCCATTTGCACCCTGGAGTTCTGCACGACCCTATCAAGCCGTGCAAGTCGGTG
TGCCAACGCGCGCGGACGACTGCGAGCCCTCATGAAGATGTACAACCACAGCTGGCCC
GAAAGCCTGGCCTGCGACGAGCTGCCTGTCTATGACCGTGGCGTGTGCATCTCGCCTGAA
GCCATCGTCACGGACCTCCGGAGGATGTTAAGTGGATAGACATCACACCAGACATGATG
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GCCAAAATAAAAGCTGTGCGAGAGGAGTGGCTGCAATGAGGTACACAACGGTGGTGGATGTA
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TGGCGTTCAAGGATGATGCTTCTTAAAAATTGCTTAGTTGAAAAATGGAGAGATCAGCTT
AGTAAAAGATCCATACAGTGGGAAGAGAGGCTGCAGGAACAGCGGAGAACAGTTCAGGAC
AAGAAGAAAACAGCCGGGCGCACCAGTCGTAGTAATCCCCCAAAACAAAGGAAAGCCT
CCTGCTCCCAAACCAGCCAGTCCCAAGAAGAACATTAATACTAGGAGTGCCCAAGAGAGA
ACAAACCCGAAAAGAGTGTGA

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Clone variation with respect to NM_003014.3
786 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003014 unedited
 AGGTTACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGAGGATTTCTTCTCGGCGAAGGACAGCGAAAGAGAGGGTGGCAGGAAGAGAAGGGCGCTTTCTGTCTGCCGGGTGCGACGCGAGAGGGCAGTGCCATGTTCTCTCCATCCTAGTGGCGCTGTGCCGTGGCTGCACCTGGCGCTGGCGTGGCGGGCGGCCCTGCGAGGCGGTGCGCATCCCTATGTGCCGCACATGCCCTGGAACATCACGCGGATGCCAACCCACTGCACCACAGCACGCAGGAGAACGCCATCCTGGCCATCGAGCAGTACGAGGAGCTGGTGGACGTGAAGTGCAGCGCGTGCTGCGCTTCTTCTCTGTGCCATGTACGCGCCATTTGCACCCTGGAGTTCCTGCACGACCCTATCAAGCCGTGCAAGTCGGTGTGCCAACGCGCGCGGACGACTGCGAGCCCCTCATGAAGATGTACAACCACAGCTGGCCCCGAAAGCCTGGCCTGCGACGAGCTGCCTGTCTATGACCGTGGCGTGTGCATCTCGCCTGAAGCCATCGTCACGGACCTCCCGGAGGATGTTAAGTGGATAGACATCACACCAGACATGATGGTACAGGAAAGGCCTCTTGATGTTGACTGTAACGCCTAAGCCCCGATCGGTGCAAGTGTAAAAAGGTGAAGCCAACCTTTGGCAACGTATCTCAGCAAAACTACAGCTATGTTATTCATGCAAAAATAAAGCTGTGCAGAGGAGTGGGCTGCATGAAGTCACAACGGTGGTGGATGTAAAAGAGATCTTNCAGTNCCTCATACCCATCCCTCGAACTTCAGTCCCGCTCATTACAATTCTTTCTGGCAGTGTCCACACATCCTGCCCCATCAAGATGTTCTCATA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003014 unedited
 GGCCGCATTTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGCCTCTCCTTTTTATTTATTTTCTTTTATTATTATTTTGTTTTTAGAGTTCTAGCTAAAAACAGAGCTGAAGTCATTGTA AAAAAGACACATTATAATTTTCCATATGCTACTTCTCTAGATTTTTCAAAAAATCCCCTTTCATCACAAAAATCCTTCTGCAGACCATAAACACATAAAGATCTTTTAGACATTCACTCCACTACTGTTCTTCTTAGAAGCATTATATTTTCGATCACATTTTAAAACATCACTAACAT TGCAACAACAGATATCAAAGGTAATAAAACATACTGTAAAAAATTACGTGTTTTGTTT GAAATATGGCATTATTTTACAATGCACATATTAGGTGCAATTGTAACAAGCATTATTTT CCCTACTCTTCTAGAGTATGCACACAGGTTACTCTGAATGCAATGCAATAAGCCTTTTCC ACCAGCTTTAACTCACCTTCTGTACCAAGGGCAAACCTACCCTATGGCTTGTGATGGC TTACAAAGAAAACTGAAGCATAGCCTTAAGAAAAATGCTGCAAGATGTGTCTATGAAGA GCAGTGCAGTGAAGTGTAGGGCAAGGGCACATGGCCTTACATAGGCTGTCCCAGGCAA TGCCCAGCCTCATCCTGTAAAGGAAGTCGGAAGTCTCCGCTTTGGAACTAGTTAGCTCAC ACTCTCTTCGGNTTTGTTCTTCTGCGACTCCTANGTCTATGGTCTTCTTGGGACTGGC TGGNTTAGGAGCAGGAGGCTTTCCCTTTGTTTGGGGGATACTACGACTGGNTGCGCCGG CTGTTTTCTTTCTGCTGAACTGTNTACGCTGTTCTGCGAGCTCTTCCACTGTATGG ATCGTTTTACTAGCTGATCNTCCATTTTTAACTAGCAATTTCAAGAGCATCTCCCTGTACG CACTCGTACCCATGAGAAACATCTGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_003014

Insert Size:

1860 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:	<u>NM_003014.2</u> , <u>NP_003005.1</u>
RefSeq Size:	2820 bp
RefSeq ORF:	1041 bp
Locus ID:	6424
UniProt ID:	<u>Q6FHJ7</u>
Cytogenetics:	7p14.1
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
Protein Pathways:	Wnt signaling pathway
Gene Summary:	Secreted frizzled-related protein 4 (SFRP4) is 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. The expression of SFRP4 in ventricular myocardium correlates with apoptosis related gene expression. [provided by RefSeq, Jul 2008]