

Product datasheet for **SC125804**

SFRP5 (NM_003015) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRP5 (NM_003015) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFRP5
Synonyms:	SARP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003015 edited
 CTCCGCGGCGGCGGCGGCGGCGGCTGGGTAGAGTCAGGGCCGGGGGCGCACGCCGGAACA
 CCTGGGCGCGCGGACCCGAGCGTCGGGGGGCTGCGCGGCGCGCACCTGGAGAGGGCGCA
 GCCATGCGGGCGGCGGCGGCGGCGGCGGCGGCGTGCAGGAGTACGACTACTATGGCTGGCAGGCC
 GGGGCGCTGCACTGGGCGCGGCGGCGTGCAGGAGTACGACTACTATGGCTGGCAGGCC
 GAGCCGCTGCACGGCCGCTCCTACTCCAAGCCCGCGCAGTGCCTTGACATCCCTGCCGAC
 CTGCCGCTGCGCACAGGTGGGCTACAAGCGCATGCGGCTGCCAACCTGCTGGAGCAC
 GAGAGCCTGGCCGAAGTGAAGCAGCAGGCGAGCAGCTGGCTGCCGCTGCTGGCCAAGCGC
 TGCCACTCGGATACGCAGGTCTTCTGTGCTCGCTCTTTGCGCCCGTCTGTCTCGACCGG
 CCCATCTACCCGTGCCGCTCGCTGTGCGAGGCCGTGCGCGCCGGCTGCGCGCCGCTCATG
 GAGGCTACGGCTTCCCCTGGCCTGAGATGCTGCACTGCCACAAGTTCCCCTGGACAAC
 GACCTCTGCATCGCCGTGCAGTTCGGGCACCTGCCCGCACCGCGCTCCAGTGACCAAG
 ATCTGCGCCAGTGTGAGATGGAGCACAGTGTGACGGCCTCATGGAGCAGATGTGCTCC
 AGTGACTTTGTGGTCAAATGCGCATCAAGGAGATCAAGATAGAGAATGGGGACCGGAAG
 CTGATTGGAGCCAGAAAAGAAGAAGCTGCTCAAGCCGGGCCCCCTGAAGCGCAAGGAC
 ACCAAGCGGCTGGTGTGCATGAAGAATGGCGCGGGCTGCCCTGCCACAGCTGGAC
 AGCCTGGCGGGCAGCTTCTGGTTCATGGGCCGAAAGTGGATGGACAGCTGCTGCTCATG
 GCCGTCTACCCGTGGGACAAGAAGAATAAGGAGATGAAGTTTGCAGTCAAATTCATGTTT
 TCCTACCCCTGCTCCCTTACTACCCCTTCTTCTACGGGGCGGCAGAGCCCCACTGAAGG
 GCACTCCTCCTTGCCTGCCAGCTGTGCCTTGTGCTTGGCCCTGCGCCCGCCCCAACTTCC
 AGGCTGACCCGGCCCTACTGGAGGGTGTTCACGAATGTTGTTACTGGCACAAGGCCTA
 AGGATGGGCACGGAGCCAGGCTGTCTTTTACCCAGGGTCTGGGGTCCCTGGGA
 GTTTGGGCTTCTCTCAGGAGCAGGGCTTCTCATCTGGGTGAAGACCTCAGGGTCTC
 AGAAAGTAGGCAGGGGAGGAGAGGGTAAGGGAAGGTGGAGGGGCTCAGGGCACCCCTGAG
 GCGGAGGTTTACAGTAGAAGGTGATGTAGCTCCAGCTCCCCTCTGTCGGTGGTGGGGC
 CTCACCTGAAGAGGGAAGTCTCAATATTAGGTAAGCTATTTGGGAAAGTTCTCCCCAC
 CGCCCCTGTACGCGTCATCCTAGCCCCCTTAGGAAAGGAGTTAGGGTCTCAGTGCCTCC
 AGCCACACCCCTGCCTTCCCAGCTTGCCATTTCCCTGCCCAAGGCCAGAGCTCCC
 CCCAGACTGGAGAGCAAGCCAGCCAGCCTCGGCATAGACCCCTTCTGGTCCGCCGT
 GGCTCGATTCCCGGATTCAATCCTCAGCCTCTGCTTCTCCCTTTATCCAATAAGTTA
 TTGCTACTGCTGTGAGGCCATAGGTAAGTACTAGACAACCAATACATGCAGGGTTGGGTTTTCT
 AATTTTTTAACTTTTTAATTAATCAAAGAAAACAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003015 unedited
 GCTAGGATTTGTAACCCTTACTATAGGCGGCCGCGNATTCANATCTGGTACCGGTCCG
 GAATCCCAGGATATCGTCGACCACCGTCCGCTCCGCGGCGGCGGCGGCGGCGGCTGG
 GTAGAGTCAGGGCCGGGGCGCACGCGGAAACCTGGGCGCGGCGGCGGCGGCGGCGG
 GGGGCTGCGCGGCGCACCTGGAGAGGCGCAGCCATGCGGGCGGCGGCGGCGGCGG
 GCGTGCAGGACGCGCGCTGGCCTGCTGCTGGGGCGCTGCACTGGGCGCGGCGGCGG
 TGCGAGGAGTACGACTACTATGGCTGGCAGGCCGAGCCGCTGCACGGCCGCTCCTACTCC
 AAGCCGCGCAGTGCCTTGACATCCCTGCCGACCTGCCGCTTGCACACGGTGGGCTAC
 AAGCGCATGCGGCTGCCAACCTGCTGGAGCACGAGAGCCTGGCCGAAGTGAAGCAGCAG
 GCGAGCAGCTGGCTGCCGCTGCTGGCCAAGCGCTGCCACTCGGATACGCAGGTCTTCTG
 TGCTCGCTCTTTGCGCCGCTGTCTCGACCGGCCATCTACCCGTGCCGCTCGTGTGC
 GAGGCCGTGCGCGCGGCTGCGCGCCGCTCATGGAGGCCTACGGCTTCCCCTGGCCTGAG
 ATGCTGCACTGCCACAAGTTCCCCTGGACAACGACCTTGCATCGCCGTGCAAGTTCGGG
 CACCTGCCCGCCACCGCGCTCCAGTGACCAAGATCTGCGCCAGTGTGAGATGGAGCAC
 AGTGTGACCGCCTCATGGAGCAGATGTCTTCCATGACTTTGTGGTCAAATGCGCATC
 AAGGAGATCAAGATAGAGAATGGGGACCGNAAGCTGATTGGAACCCAAAAAAGAAGAAG
 CTGCT

Restriction Sites: NotI-NotI

ACCN:	NM_003015
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_003015.2 , NP_003006.1
RefSeq Size:	1905 bp
RefSeq ORF:	954 bp
Locus ID:	6425
UniProt ID:	Q5T4F7
Cytogenetics:	10q24.2
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	Wnt signaling pathway
Gene Summary:	Secreted frizzled-related protein 5 (SFRP5) 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. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas. [provided by RefSeq, Jul 2008]