

## Product datasheet for **RG205365**

### SFRP4 (NM\_003014) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFRP4 (NM_003014) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFRP4
Synonyms:	FRP-4; FRPHE; FRZB-2; PYL; sFRP-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205365 representing NM_003014 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGTGGCTGGCTGCGCTCCGAGCTGCGGAGTCCGGGACTGGAGCTGCCCGGGCGGGTTCGCGCCCC  
GAAGGCTGAGAGCTGGCGCTGCTCGTGCCTGTGTGCCAGACGGCGGAGCTCCGCGGCCGACCCCGCGG  
CCCCGTTTGTGCCGACTGGAGTTTGGGGAAGAACTCTCTGCGCCCCAGAGATTTCTTCTCGGC  
GAAGGGACAGCGAAAGATGAGGGTGGCAGGAAGAGAAGGGCGCTTCTGTCTGCCGGGTGCGAGCGGA  
GAGGGCAGTGCCATGTTCTCTCCATCCTAGTGGCGCTGTGCCTGTGGCTGCACCTGGCGCTGGCGTGCG  
CGGCGCGCCCTGCGAGGCGGTGCGCATCCCTATGTGCCGGCACATGCCCTGGAACATCACGCGGATGCC  
AACCCACTGCACCACAGCACGCAGGAGAAGCCATCCTGGCCATCGAGCAGTACGAGGAGCTGGTGGACG  
TGAAGTGCAGCGCGGTGCTGCGCTTCTTCTCTGTGCCATGTACGCGCCATTTGCACCCTGGAGTTCCT  
GCACGACCCTATCAAGCCGTGCAAGTGGTGTGCCAACGCGCGCGCAGCAGTGCAGGCCCTCATGAAG  
ATGTACAACCACAGCTGGCCGAAAGCCTGGCCTGCGACGAGCTGCCTGTCTATGACCGTGGCGTGTGCA  
TCTCGCCTGAAGCCATCGTCACGGACCTCCCGGAGGATGTTAAGTGGATAGACATCACACCAGACATGAT  
GGTACAGGAAAGGCCTCTTGATGTTGACTGTAACGCCTAAGCCCCGATCGGTGCAAGTGTAAAAAGGTG  
AAGCCAACCTTTGGCAACGTATCTCAGCAAAAACACTACAGCTATGTTATTCATGCCAAAATAAAAGCTGTGC  
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CCCTCGAAGTCAAGTCCCGCTCATTACAATTCTTCTTGGCAGTGTCCACACATCCTGCCCATCAAGT  
GTTCTCATCATGTGTTACGAGTGGCGTTCAAGGATGATGCTTCTTGAAAATTGCTTAGTTGAAAAATGGA  
GAGATCAGCTTAGTAAAAGATCCATACAGTGGGAAGAGAGGCTGCAGGAACAGCGGAGAACAGTTCAGGA  
CAAGAAGAAAACAGCCGGGCGCACCAAGTCTAGTAAATCCCCCAAACCAAGGAAAGCCTCCTGCTCCC  
AAACCAGCCAGTCCCAAGAAGAACATTAAGTGGAGTGGCCGGAAGAGAACAACCCGAAAAGAGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Reconstitution Method:**

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\\_003014.2](#), [NP\\_003005.1](#)

**RefSeq Size:** 2820 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 6424

**UniProt ID:** [Q6FHJ7](#)

**Cytogenetics:** 7p14.1

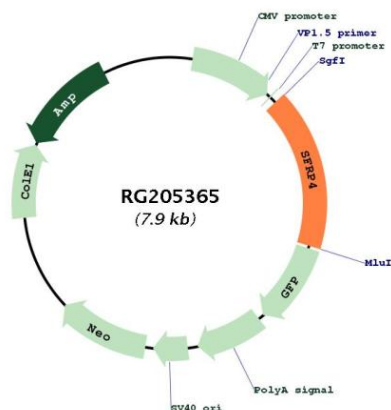
**Domains:** FRI, NTR

**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]

## Product images:



Circular map for RG205365