

## Product datasheet for **MG204070**

### Sfrp2 (NM\_009144) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sfrp2 (NM\_009144) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Sfrp2  
**Synonyms:** AI851596; Sdf5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG204070 representing NM\_009144  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGCGGGCCCTGCCTCGTGTCTGCTAGTCCTCGCCTCGCACTGCTGCCTGGGCTCGGCGCTG  
 GGCTCTTCCTCTTCGGCCAGCCGACTTCTCTACAAGCGCAGCAACTGCAAGCCATCCCCGCAACCT  
 GCAGCTGTGCCACGGCATCGAGTACCAGAACATGCGGCTGCCAACCTGCTGGGCCACGAGACCATGAAG  
 GAGGTGTGGAGCAGGCGGGCGCCTGGATTCCGCTGGTCATGAAGCAGTGCCACCCGGACACCAAGAAGT  
 TCCTGTGCTCGCTCTTCGCCCTGTCTGTCTCGACGACCTAGATGAGACCATCCAGCCGTGTCACTCGCT  
 CTGCGTGCAGGTGAAGGACCGCTGCGCCCCGGTCATGTCCGCCTTCGGCTTCCCCGGCCAGACATGCTG  
 GAGTGCACCGTTTCCCGCAGGACAACGACCTCTGCATCCCCCTCGCTAGTAGCGACCACCTCCTGCCGG  
 CCACAGAGGAAGCTCCCAAGGTGTGTAAGCCTGCAAAACCAAGAATGAGGACGACAACGACATCATGGA  
 AACCTTTGTAATAAATGACTTCGCACTGAAAATCAAAGTGAAGGAGATAACGTACATCAACAGAGACACC  
 AAGATCATCCTGGAGACAAAGAGCAAGACATTTACAAGCTGAACGGCGTGTCCGAAAGGGACCTGAAGA  
 AATCCGTGCTGTGGCTCAAAGACAGCCTGCAGTGCACCTGTGAGGAGATGAACGACATCAACGCTCCGTA  
 TCTGGTCATGGGACAGAAGCAGGGCGGGAGCTGGTGATCACCTCCGTGAAACGGTGGCAGAAGGGCCAG  
 AGAGAGTTCAAGCGCATCTCCCGCAGCATCCGCAAGCTGCAATGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204070 representing NM\_009144  
 Red=Cloning site Green=Tags(s)

MPRGPASLLLLVLASHCCLGSARGLFLFGQPDFSYKRSNCKPIPANLQLCHGIEYQNMRLPNLLGHETMK  
 EVLEQAGAWIPLVMKQCHPDTKKFLCSLFAPVCLDDLDETIQCHSLCVQVKDRCAPVMSAFGFPWPDML  
 ECDRFPQDNDLCIPLASSDHLPLATEEAPKVCEACKTKNEDDNDIMETLCKNDFALKIKVKEITYINRDT  
 KIILETKSKTIYKLNQVSRDLKKSVLWLKDSLQCTCEEMNDINAPYLVMGQKQGGELVITSVKRWQKGQ  
 REFKRISRSIRKLQC

TRTRPLE - GFP Tag - V

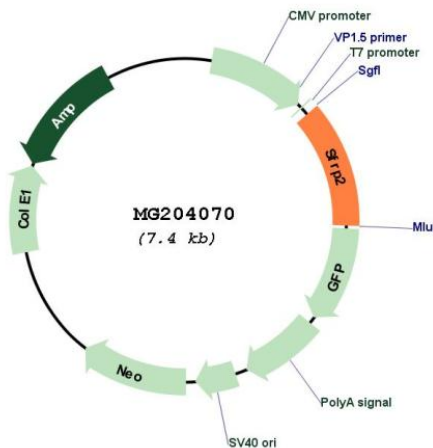
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_009144

**ORF Size:** 885 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009144.2</a>
<b>RefSeq Size:</b>	2028 bp
<b>RefSeq ORF:</b>	888 bp
<b>Locus ID:</b>	20319
<b>UniProt ID:</b>	<a href="#">P97299</a>
<b>Cytogenetics:</b>	3 37.37 cM
<b>Gene Summary:</b>	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP2 may be important for eye retinal development and for myogenesis. [UniProtKB/Swiss-Prot Function]