

## Product datasheet for **RR203225**

### **Sfrp2 (NM\_001100700) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sfrp2 (NM\_001100700) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sfrp2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203225 representing NM\_001100700  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCGGGGGCCCTGCCTCGCTTCTGCTAGTCCTCGCCTCGCACTGCTGCCTGGGCTCGGCGCGTG  
GGCTCTTCCTCTTCGGCCAGCCCGACTTCTCTACAAGCGCAGCAACTGCAAGCCATCCCCGCCAACCT  
GCAGCTGTGCCACGGCATCGAGTACCAGAACATGCGGCTGCCAACCTGCTGGCCACGAGACCATGAAG  
GAGGTGCTGGAGCAAGCGGGCGCCTGGATTCCGCTGGTCATGAAGCAGTGCCACCCGGACACCAAGAAGT  
TCCTGTGCTCGCTCTTCGCCCTGTCTGTCTCGACGACCTAGACGAGACCATCCAGCCGTGTCACTCGCT  
CTGCGTGCAGGTGAAGGACCGTTGTGCCCGGTCATGTCCGCCTTCGGCTTCCCCTGGCCAGACATGCTG  
GAGTGCACCGCTTCCCGCAGGACAACGATCTCTGCATCCCCCTTGCTAGCAGCGACCACCTCCTGCCGC  
CCACAGAGGAAGCTCCCAAGGTGTGTGAAGCCTGCAAACTAAGAACGAGGATGACAACGACATAATGGA  
AACTCTTTGTA AAAATGACTTCGCACTGAAAATCAAAGTGAAGGAGATAACCTACATCAACAGAGACACC  
AAAATCATCCTGGAGACAAAGAGCAAGACCATTTACAAGCTGAACGGGTGTCCGATAGGGACCTGAAGA  
AATCAGTGTGTGGCTCAAAGACAGCCTGCAGTGCACCTGTGAGGAGATGAACGACATCAACGCTCCCTA  
TCTGGTCATGGGACAGAAACAGGGTGGAGAGCTGGTGATCACCTCCGTGAAACGGTGGCAGAAGGGCCAG  
AGAGAGTTCAAGCGCATCTCCCGCAGCATCCGCAAGCTGCAATGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR203225 representing NM\_001100700  
Red=Cloning site Green=Tags(s)

MLRGPASLLLLVLASHCCLGSARGLFLFGQPDFSYKRSNCKPIPANLQLCHGIEYQNMRLPNLLGHETMK  
 EVLEQAGAWIPLVMKQCHPDTKKFLCSLFAPVCLDDLETIQCHSLCVQVKDRCAPVMSAFGFPWPDML  
 ECDRFPQDNDLCIPLASSDHLPPTEEAPKVCEACKTKNEDDNDIMETLCKNDFALKIKVKEITYINRDT  
 KIILETKSKTIYKLNQVSDRDLKKSVLWLKDSLQCTCEEMNDINAPYLVMGQKQGGELVITSVKRWQKGQ  
 REFKRISRSIRKLQC

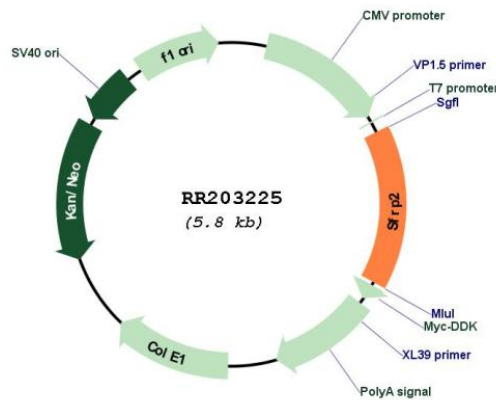
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001100700

<b>ORF Size:</b>	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_001100700.1</a> , <a href="#">NP_001094170.1</a>
<b>RefSeq Size:</b>	2001 bp
<b>RefSeq ORF:</b>	888 bp
<b>Locus ID:</b>	310552
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	33.5 kDa
<b>Gene Summary:</b>	expression of the mouse homolog is induced by the transcription factor Pax2 [RGD, Feb 2006]