

## Product datasheet for **RG207271**

### **SFRS5 (SRSF5) (NM\_001039465) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SFRS5 (SRSF5) (NM\_001039465) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SRSF5  
**Synonyms:** HRS; SFRS5; SRP40  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207271 representing NM\_001039465  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGGCTGTCGGGTATTCATCGGGAGACTAAATCCAGCGGCCAGGGAGAAGGACGTGGAAAGATTCT  
TCAAGGGATATGGACGGATAAGAGATATTGATCTGAAAAGAGGCTTTGGTTTTGTGGAATTTGAGGATCC  
AAGGGATGCAGATGATGCTGTGTATGAGCTTGATGGAAAAGAACTCTGTAGTGAAAGGGTACTATTGAA  
CATGCTAGGGCTCGTCCAGGAGGTGGAAGAGGTAGAGGACGATACTCTGACCGTTTTAGTAGTCGCAGAC  
CTCGAAATGATAGACGAAATGCTCCACCTGTAAGAACAGAAAATCGTCTTATAGTTGAGAATTTATCCTC  
AAGAGTCAGCTGGCAGGATCTCAAAGATTTTCATGAGACAAGCTGGGGAAGTAACGTTTGGGATGCACAC  
CGACCTAAATTAATGAAGGGTGGTTGAGTTGCCTCTTATGGTGACTTAAAGAATGCTATTGAAAAAC  
TTTCTGAAAAGGAAATAAATGGGAGAAAAATAAATTAATTGAAGGCAGCAAAAGGCACAGTAGGTCAAG  
AAGCAGGTCTCGATCCCGGACCAGAAGTTCTCTAGGTCTCGTAGCCGATCCCGTTCCCGTAGTCGCAAA  
TCTTACAGCCGGTCAAGAAGCAGGAGCAGGAGCCGGAGCCGAGCAAGTCCCGTTCTGTTAGTAGGTCTC  
CCGTGCCTGAGAAGGCCAGAAACGTGGTTCTTCAAGTAGATCTAAGTCTCCAGCATCTGTGGATCGCCA  
GAGGTCCCGTCCCGATCAAGGTCCAGATCAGTTGACAGTGGCAAT

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**



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**Protein Sequence:** >RG207271 representing NM\_001039465  
 Red=Cloning site Green=Tags(s)

MSGCRVFIGRLNPAAREKDVERFFKGYGRIRDIDLKRGFGVFEFEDPRDADDAVYELDGKELCSERVITIE  
 HARARSRGGRRGRYSDRFSSRRPRNDRRNAPPVRTENRLIVENLSSRVSWQDLKDFMRQAGEVTFADAH  
 RPKLNEGVEFASYGDLKNAIEKLSGKEINGRKIKLIEGSKRHSRSRSRSRTRSSRSRSRSRSRSRK  
 SYSRSRSRSRSRSRSRSRSVPVEKSQKRGSSRSKSPASVDRQRSRSRSRSRSVDSGN

TRTRPLE - GFP Tag - V

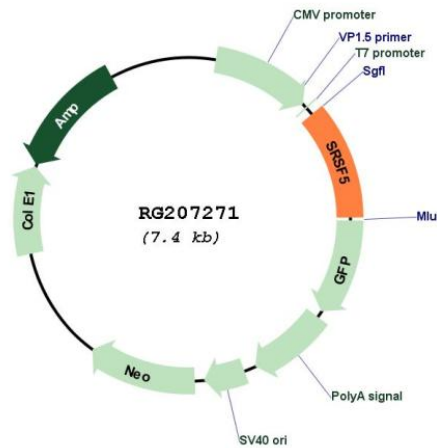
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001039465

**ORF Size:** 816 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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_001039465.2</a>
<b>RefSeq Size:</b>	1651 bp
<b>RefSeq ORF:</b>	819 bp
<b>Locus ID:</b>	6430
<b>UniProt ID:</b>	<a href="#">Q13243</a>
<b>Cytogenetics:</b>	14q24.1
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]</p>