

## Product datasheet for **RG235199**

### SFI1 (NM\_001258326) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFI1 (NM_001258326) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFI1
Synonyms:	hSfi1p; PISD; PPP1R139
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235199 representing NM_001258326 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGAATCTGCTCACTGAGAAGTGTATCAAGCCACAATTTCCATCAAAAAGTGATTAAGCAGAGAA  
TGGAGAAGAAGGTTGATCCAGATTTTACTATGAGCAGCGATTACTACGGAAGGCTTCGAAGAATGGAA  
AGAGGAGTGGTGGGTTTTCCAGCAGCAGTGAAACTCTGTGTCGAGCTGACTGTCACAGGTATTAC  
CTGTACAACCTGATGTTCCAGACGTGGAAGACCTATGTGCGTCAGCAGCAGGAGATGAGGAACAAGTACA  
TTAGAGCCGAGGTTTCATGATGCAAAGCAAAGATGCGACAGGCCCTGGAAGTCCTGGTTGATCTACGTGGT  
TGTTTCGTAGGACCAAACCTCAGATGCAGACTACAGCTCTGGAGTTTAGGCAACGGATTATCTACGGGTG  
TGGTGGAGCACGTGGAGGCAGCGACTAGGACAGGTCCTGTGAGCCGTGCCCTCCATGCCTCTGCTTTGA  
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GGAGGCAGAAGATGTTTTCAGCATCGAGAAAACCGCTGGCAGAGAGAATGGCCATCCTTCACGCAGAGCG  
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CAAACAGTGGCCTGTGCCACCACCGCCACGGGCGGCTCAAGAAAGCTTTCTGCCTCTGGAGGGAAAGTG  
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TCCAGCAGCAACTACTGCACTACCAGACCACCAAGCAGAACCTCTGGTCTGTGCGCGGCAAGCAGCAG  
CCTGCGCAGGTGGCTGGAGCTGAACAGAGAGGAGCCGGGCTGAGGACCAGGAAGTAGAGCAGCAGGTG  
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CCATTGGCGCTGCGTTGCCCGCATCCAGGCCCTGCGGCAGGCCCTGTGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

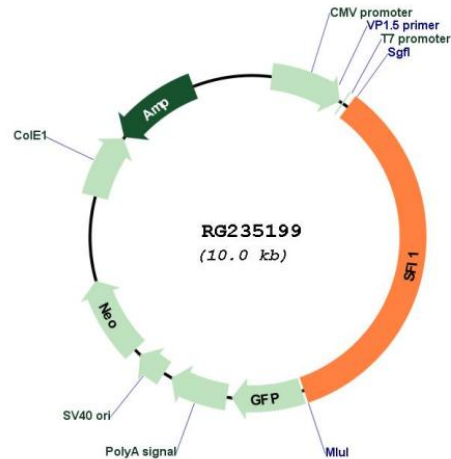
**Protein Sequence:** >RG235199 representing NM\_001258326  
 Red=Cloning site Green=Tags(s)

MKNLLTEKCISSHNFHQKVIKQRMEKKVDSRFYEQRLLRKVFEWEKEWWVFQHEWKL CVRADCHYRY  
 LYNLMFQTKTYVRQQQEMRNKYIRAEVHDAKQKMRQAWKSWLIYVVVRRTKLQMQTTALEFRQRIILRV  
 WWSTWRQRLGQVRVSRALHASALKHRALSLQVQAWSQWREQLLYVQKEKQKVVSAVKHHQHWQKRRFLKA  
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 MLLCAEEAAQFEMAEHHRHSQLYFCFRALKDNVTHAHLQQIRRNLAHQQHGVTL LHRFWNLWRSQIEQK  
 KERELLPLLHAAWDHYRIALLCKCIELWLQYTQKRRYKQLLQARADGHFQQRALPAAFHTWNRLWRWRHQ  
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 QTVACAHHRHGRLLKAFCLWRESAQGLRTERTRGVRAAEFHMAQLLRWAWSQWRECLALGAERQKLMRA  
 DLHHQHSVLHRALQAVTYQGRVRSILREVAARESQHNRQLLRGALRRWKENTMARVDEAKKTFQASTHY  
 RRTICSKVLVQWREAVSVQMYRQEDCAIWEAQKVLDRGCLRTWFRWWDCSRRSAQQLQLERAVQHH  
 HRQLLEGLARWKTHHLQCVRKRLLRQSTQLLAQRLSRTCFRQWRQQLAARRQEQRATVRALWFWAFSL  
 QAKVWATWLAFLVLEERRRKKARLQWALQAYQGQLLQEGATRLLRFAASMKASRQQLQAQQVQAASHLHRA  
 VRRCATLWKQKVLGRGGKQPLAAIAPSRKVTFEGPLLNRIAGAGDGTLETKRPQASRPLGALGRLAEE  
 EPHALELNTAHSARKQPRRPHLLEPAQSQRPKPQEHGLGMAQPAAPSLTRPFLAEAPTALVPHSPLPG  
 ALSSAPGPKQPPTASTGPELLLLPLSSFMPCGAAAPARVSAQRATPRDKPPVPSSLASVPDPHLLPLPGDF  
 SATRAGPLSTAGSLDLEAELEEIQQQLLHYQTTKQNLWSCRQASSLRWLELNREEPPEDQEVEQQV  
 QKELEQVEMQIQLLAEELQAQRQPIGACVARIQALRQALC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI  
**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001258326

**ORF Size:** 3480 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_001258326.2](#)

**RefSeq Size:** 4141 bp

**RefSeq ORF:** 3483 bp

**Locus ID:** 9814

**UniProt ID:** [A8K8P3](#)

**Cytogenetics:** 22q12.2

**Gene Summary:** Plays a role in the dynamic structure of centrosome-associated contractile fibers via its interaction with CETN2.[UniProtKB/Swiss-Prot Function]