

## Product datasheet for **RG207166**

### SPIC (NM\_152323) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | SPIC (NM_152323) Human Tagged ORF Clone                                     |
| Tag:                      | TurboGFP  |
| Symbol:                   | SPIC  |
| Synonyms:                 | SPI-C   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG207166 representing NM_152323<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGTGTGTTGAACAAGACAAGCTGGGTCAAGCATTGAAGATGCTTTTGAGTTCTGAGGCAACATT  
CAACTGGAGATCTTCAGTACTCGCCAGATTACAGAAATTACCTGGCTTTAATCAACCATCGTCCTCATGT  
CAAAGGAAATCCAGCTGCTATGGAGTGTGCCTACAGAGGAGCCTGTCTATAATTGGAGAACGGTAATT  
AACAGTGTGCGGACTTCTATTTGAAGGAAATATTCATCAATCTCTGCAGAACATAACTGAAAACCAGC  
TGGTACAACCCACTCTTCTCCAGCAAAAGGGGAAAAGGCAGGAAGAAGCTCCGACTGTTGAATACCT  
TCACGAATCCCTGTATAATCCGGAGATGGCATCTTGATTCAGTGGGTAGATAAAACCAAAGGCATCTTT  
CAGTTTGTATCAAAAAACAAAGAAAACTTGCCGAGCTTTGGGGAAAAGAAAAGGCAACAGGAAGACCA  
TGACTTACCAGAAAATGGCCAGGGCACTCAGAAATTACGGAAGAAGTGGGGAAAATACCAAAATCCGGAG  
GAAGCTGACTTACCAGTTCAGTGAGGCCATTCTCAAAGACTCTCCATCCTATTTCTGGGAAAAGAG  
ATCTTCTATTACAGTGTGTTCAACCTGATCAAGAATATCTCAGTTTAAATAACTGGAATGCAAATTATA  
ATTATACATATGCCAATTACCATGAGCTAAATCACCATGATTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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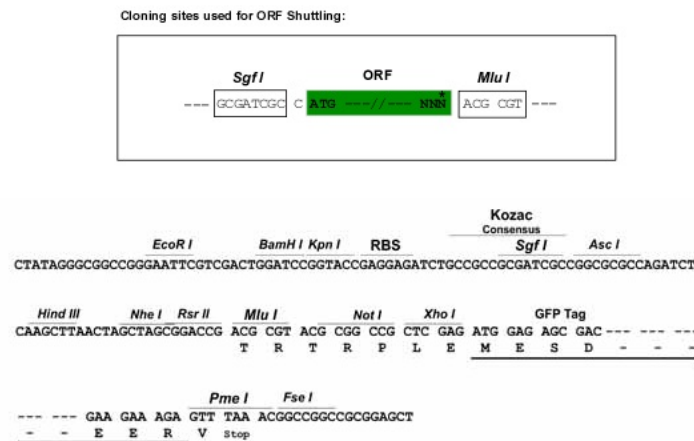
**Protein Sequence:** >RG207166 representing NM\_152323  
 Red=Cloning site Green=Tags(s)

MTCVEQDKLGQAFEDAFEVLRQHSTGDLQYSPDYRNYLALINHRPHVKGNSSCYGLVPTTEPVYNWRTVI  
 NSAADFYFEGNIHQSLQNI TENQLVQPTLLQQKGGKGRKKLRLFEYLHESLYNPEMASC IQWVDKTKGIF  
 QFVSKNKEKLAELWGKRKGNRKTMTYQKMARALRNYGRSGEITKIRRKLYQFSEAILQRLSPSYFLGKE  
 IFYSQCVQPDQEYLSLNNWNANYNTYANYHELNHDC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152323

**ORF Size:** 744 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\\_152323.3](#)

**RefSeq Size:** 1116 bp

**RefSeq ORF:** 747 bp

**Locus ID:** 121599

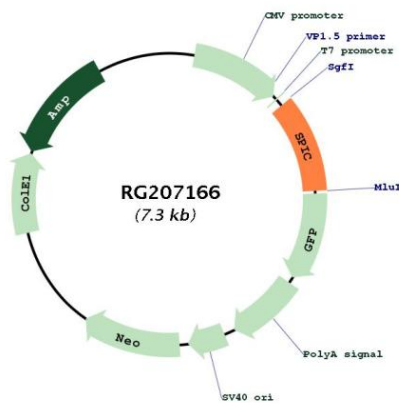
**UniProt ID:** [Q8N5J4](#)

**Cytogenetics:** 12q23.2

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene regulates the development of red pulp macrophages, which are necessary for iron homeostasis and the recycling of red blood cells. [provided by RefSeq, Aug 2016]

**Product images:**



Circular map for RG207166