

## Product datasheet for **RG213275**

### **SPECC1 (NM\_001033554) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | SPECC1 (NM_001033554) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                     |
| Symbol:                   | SPECC1                                       |
| Synonyms:                 | CYTSB; HCMOGT-1; HCMOGT1; NSP; NSP5          |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-AC-GFP (PS100010)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                       |



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**ORF Nucleotide  
Sequence:**

>RG213275 representing NM\_001033554  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAACCACTCAGGACGGCCCGAGGATCCGGAACCAGGGGCCCTTTACAACAATAACCGACAGGCA  
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 GAAGAATGCCCGGTTGAGAAGGAGCTGGGGGATGTGCAGGGCCACGGCAGGGTGGTCACCAGCAGAGCC  
 GCCCTCCCTCCCTGGGCTCTGTCAGC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG213275 representing NM\_001033554  
 Red=Cloning site Green=Tags(s)

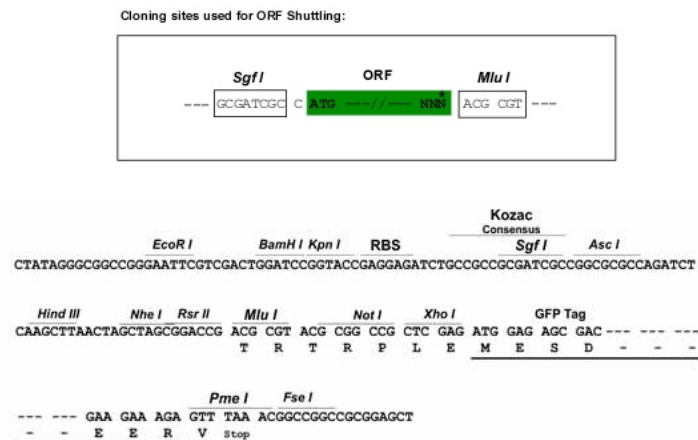
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 KQMKETEERWFQADLQTAVVANDIKCEAQQLRTVVRKLLLEEEKNARLQKELGDVQGHGRVVTSTRA  
 APPSLGSVS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001033554

**ORF Size:** 2127 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\\_001033554.3](#)

**RefSeq Size:** 4901 bp

**RefSeq ORF:** 2130 bp

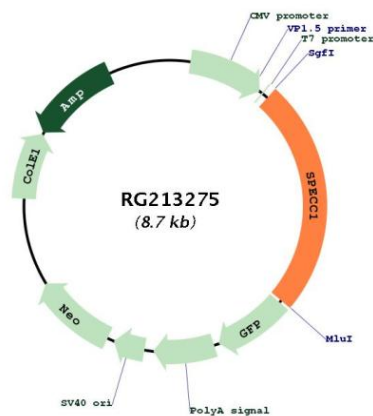
**Locus ID:** 92521

**UniProt ID:** [Q5M775](#)

**Cytogenetics:** 17p11.2

**Gene Summary:** The protein encoded by this gene belongs to the cytospin-A family. It is localized in the nucleus, and highly expressed in testis and some cancer cell lines. A chromosomal translocation involving this gene and platelet-derived growth factor receptor, beta gene (PDGFRB) may be a cause of juvenile myelomonocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

## Product images:



Circular map for RG213275