OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG214017

SPECC1 (NM_152904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPECC1 (NM_152904) 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)

View online »

ORF Nucleotide Sequence:

>RG214017 representing NM_152904
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGAGTGCAGCCAAGCCCTGGAACCCAGCCATCAGAGCAGGGGGCCACGGCCCAGACCGGGTGCGGC
CTCTGCCTGCAGCCTCTTCCGGCATGAAGAGTTCTAAGTCTTCAACTTCCTTGGCTTTTGAGTCCCGACT
CAGCAGGCTCAAGAGGGCCAGCAGTGAGGACACGCTCAACAAGCCAGGAAGTACCGCTGCATCGGGGGTG
GTTCGCCTGAAGAAGACCGCCACTGCCGGAGCCATCTCGGAGCTCACGGAGAGCCGCCTGAGGAGCGGCA
CAGGGGCCTTTACAACAACTAAACGGACAGGCATTCCAGCCCCACGGGAATTTTCAGTAACTGTCTCAAG
AGAGAGGTCTGTGCCACGTGGTCCCTCCAACCCCAGGAAATCAGTGTCCAGTCCAACTTCTTCCAACACT
CCCACTCCTACGAAACACCTGAGGACCCCTTCCACAAAGCCCAAGCAAGAGAATGAAGGTGGAGAAAAGG
CTGCGCTTGAGTCCCAAGTTCGGGAACTTTTGGCAGAAGCCAAAGCAAAAGATAGTGAAATTAACAGGCT
TCGAAGTGAACTAAAGAAATACAAAGAGAAAAGGACTCTGAACGCTGAGGGGACTGATGCTTTGGGCCCA
AATGTCGATGGAACATCAGTCTCCCCAGGTGACACGGAACCTATGATAAGAGCTCTTGAGGAGAAGAACA
AGAACTTTCAGAAAGAGCTTTCCGATCTAGAGGAAGAAAACCGGGTCCTGAAGGAGAAACTGATCTATCT
TGAGCACTCCCCAAATTCAGAAGGGGCAGCAAGTCACACTGGCGACAGCAGCTGCCCAACATCCATAACT
CAAGAGTCAAGCTTCGGAAGCCCAACTGGAAATCAGATGTCCAGTGACATTGATGAGTATAAAAAAAACA
TACATGGAAATGCATTACGGACATCAGGCTCCTCAAGTAGCGATGTTACCAAAGCTTCTTTGTCGCCAGA
TGCTTCCGACTTTGAGCACATTACAGCAGAGACACCCTCAAGGCCCCTGTCCTCCACCAGTAACCCCTTT
AAGAGTTCAAAGTGTTCTACTGCTGGGAGTTCCCCAAACAGCGTAAGTGAATTGTCCCTGGCTTCCCTCA
CAGAGAAGATACAAAAGATGGAAGAAAACCACCATAGCACTGCAGAAGAACTACAGGCTACTCTACAAGA
ATTATCAGACCAGCAACAAATGGTACAGGAATTGACAGCTGAAAATGAGAAGCTGGTGGATGAAAAGACG
ATTTTAGAGACATCCTTTCATCAGCATCGAGAGAGGGCAGAGCAGCTAAGTCAAGAAAATGAGAAGCTGA
TGAATCTTTTACAAGAGCGAGTAAAGAATGAAGAGCCCACCACTCAGGAAGGAAAAATTATTGAACTGGA
GCAGAAGTGCACAGGTATTCTTGAACAGGGCCGCTTTGAAAGAGAGAAGCTACTCAACATTCAGCAGCAG
TTGACCTGTAGCTTGCGGAAGGTTGAGGAAGAAAACCAAGGAGCTTTAGAAATGATTAAACGTCTGAAGG
AAGAAAATGAAAAACTGAATGAGTTTCTAGAACTGGAACGGCATAATAATAACATGATGGCCAAAACTTT
GGAAGAGTGTAGAGTTACCTTGGAAGGGCTAAAAATGGAGAATGGATCTTTGAAGTCTCATTTGCAGGGT
GAGAAGCAGAAAGCCACAGAGGCCAGTGCTGTGGAGCAGACGGCAGAGAGCTGCGAAGTTCAAGAAATGT
TGAAAGTAGCCCGAGCAGAGAAAGATCTACTGGAACTGTCTTGCAATGAGCTCAGACAAGAATTACTAAA
GGCAAACGGTGAAATTAAACATGTTTCCAGTCTGCTGGCCAAGGTGGAAAAGGATTATTCATACCTGAAG
GAGATATGTGATCACCAAGCCGAACAGCTGAGCAGAACCAGCCTAAAGCTGCAAGAAAAAGCATCAGAGA
GTGATGCAGAGATCAAAGACATGAAAGAAACCATATTTGAATTGGAAGATCAGGTGGAACAGCACCGGGC
TGTCAAGTTACACAATAATCAACTCATCAGTGAGCTAGAAAGTAGTGTGATCAAGCTGGAGGAACAGAAG
TCAGACCTGGAGAGGCAGCTGAAGACTCTGACCAAGCAGATGAAGGAGGAGACCGAGGAATGGAGGCGGT
TCCAGGCGGATCTGCAGACCGCAGTGGTGGTGGCCAATGACATCAAGTGTGAGGCCCAGCAGGAGCTGCG
CACCGTGAAGAGGAAACTGCTGGAGGAGGAGGAGAAGAATGCCCGGTTGCAGAAGGAGCTGGGGGATGTG
CAGGGCCACGGCAGGGTGGTCACCAGCAGAGCCGCCCCTCCCTCCCTGGGCTCTGTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

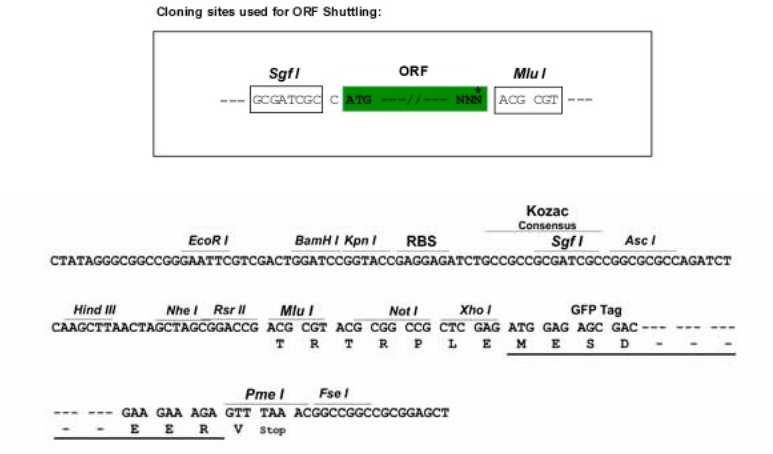
>RG214017 representing NM_152904
Red=Cloning site Green=Tags(s)

MRSAAKPWNPAIRAGGHGPDRVRPLPAASSGMKSSKSSTSLAFESRLSRLKRASSEDTLNKPGSTAASGV
VRLKKTATAGAISELTESRLRSGTGAFTTTKRTGIPAPREFSVTVSRERSVPRGPSNPRKSVSSPTSSNT
PTPTKHLRTPSTKPKQENEGGEKAALESQVRELLAEAKAKDSEINRLRSELKKYKEKRTLNAEGTDALGP
NVDGTSVSPGDTEPMIRALEEKNKNFQKELSDLEEENRVLKEKLIYLEHSPNSEGAASHTGDSSCPTSIT
QESSFGSPTGNQMSSDIDEYKKNIHGNALRTSGSSSSDVTKASLSPDASDFEHITAETPSRPLSSTSNPF
KSSKCSTAGSSPNSVSELSLASLTEKIQKMEENHHSTAEELQATLQELSDQQQMVQELTAENEKLVDEKT
ILETSFHQHRERAEQLSQENEKLMNLLQERVKNEEPTTQEGKIIELEQKCTGILEQGRFEREKLLNIQQQ
LTCSLRKVEEENQGALEMIKRLKEENEKLNEFLELERHNNNMMAKTLEECRVTLEGLKMENGSLKSHLQG
EKQKATEASAVEQTAESCEVQEMLKVARAEKDLLELSCNELRQELLKANGEIKHVSSLLAKVEKDYSYLK
EICDHQAEQLSRTSLKLQEKASESDAEIKDMKETIFELEDQVEQHRAVKLHNNQLISELESSVIKLEEQK
SDLERQLKTLTKQMKEETEEWRRFQADLQTAVVVANDIKCEAQQELRTVKRKLLEEEEKNARLQKELGDV
QGHGRVVTSRAAPPSLGSVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152904

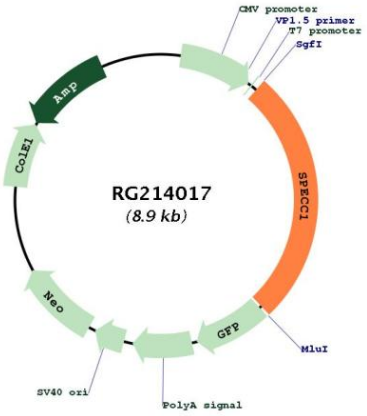
ORF Size: 2370 bp

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_152904.4, NP_690868.3
RefSeq Size:	4992 bp
RefSeq ORF:	2373 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 RG214017