**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 RG216480

## RNF165 (NM_152470) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Tag:** | TurboGFP |
| **Symbol:** | RNF165 |
| **Synonyms:** | Ark2C; ARKL2; RNF111L2 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

>RG216480 representing NM_152470
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCCTGGTCCACGTCGGCTATCTCGTGCTTCCAGTGTTTGGCTCTGTGCGAAACAGAGGTGCCCCCT
TTCAAAGGTCTCAGCATCCTCACGCTACCTCCTGCCGCCACTTCCACCTGGGCCCCCCGCAGCCGCAGCA
GCTCGCTCCCGACTTCCCGCTGGCCCACCCCGTGCAGTCGCAGCCAGGCCTCAGCGCCCACATGGCCCCG
GCCCACCAGCACAGCGGCGCCCTGCACCAGTCGCTGACCCCGCTGCCCACCCTGCAGTTCCAGGACGTCA
CAGGTCCCTCCTTCCTACCTCAGGCCCTGCACCAGCAATACCTCCTGCAGCAGCAGCTCCTGGAAGCCCA
GCACCGCAGGCTGGTCTCGCACCCCAGGCGGAGTCAGGAGCGTGTATCTGTCCACCCCCACCGCCTCCAT
CCCAGCTTCGACTTCGGCCAACTGCAGACACCTCAGCCCAGGTATTTGGCTGAGGGCACTGACTGGGATC
TCAGTGTGGATGCTGGCTTGAGTCCTGCTCAGTTCCAGGTGCGGCCCATCCCTCAGCACTATCAGCATTA
CCTAGCCACTCCTCGAATGCACCACTTTCCCAGAAACTCCTCCTCCACACAGATGGTCGTCCATGAAATC
CGAAACTACCCTTACCCTCAGCTTCACTTCCTTGCTCTCCAGGGACTAAATCCCAGCAGACACACCTCCG
CCGTACGGGAGAGCTATGAGGAGCTGCTGCAGCTCGAGGACAGGTTGGGTAATGTGACTCGGGGAGCTGT
ACAGAACACCATTGAGAGGTTCACCTTCCCCCACAAGTATAAGAAGCGAAGACCCCAGGATGGCAAGGGC
AAGAAGGATGAGGGGGAGGAGTCAGACACAGATGAGAAATGCACAATTTGTCTGTCTATGCTGGAAGATG
GAGAAGATGTGAGACGCCTACCCTGTATGCATCTCTTTCACCAACTGTGCGTGGACCAGTGGCTCGCCAT
GAGCAAGAAATGCCCCATCTGCCGAGTGGACATTGAGACACAACTGGGAGCCGACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



View online »

**Protein Sequence:**

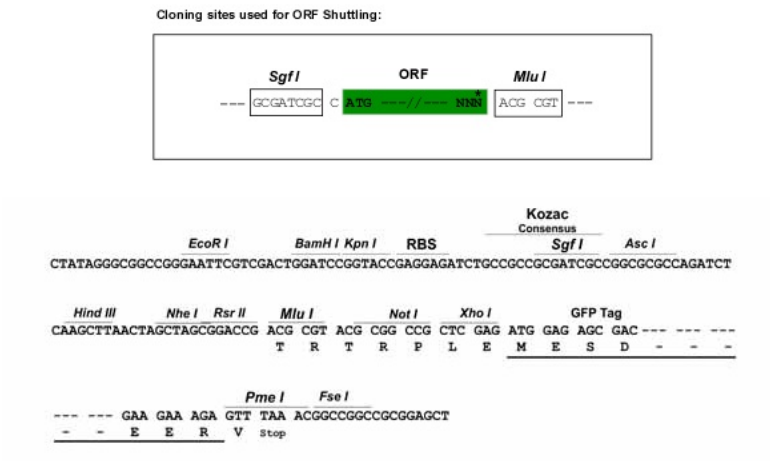
>RG216480 representing NM_152470
Red=Cloning site Green=Tags(s)

MVLVHVGYLVLPVFGSVRNRGAPFQRSQHPHATSCRHFHLGPPQPQQLAPDFPLAHPVQSQPGLSAHMAP
AHQHSGALHQSLTPLPTLQFQDVTGPSFLPQALHQQYLLQQQLLEAQHRRLVSHPRRSQERVSVHPHRLH
PSFDFGQLQTPQPRYLAEGTDWDLSVDAGLSPAQFQVRPIPQHYQHYLATPRMHHFPRNSSSTQMVVHEI
RNYPYPQLHFLALQGLNPSRHTSAVRESYEELLQLEDRLGNVTRGAVQNTIERFTFPHKYKKRRPQDGKG
KKDEGEESDTDEKCTICLSMLEDGEDVRRLPCMHLFHQLCVDQWLAMSKKCPICRVDIETQLGADS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_152470

**ORF Size:** 1038 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM_152470.3

**RefSeq Size:** 5276 bp

**RefSeq ORF:** 1041 bp

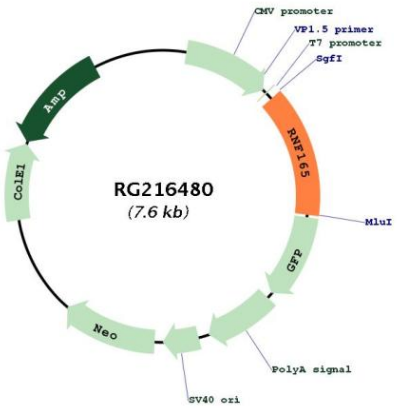
**Locus ID:** 494470

**UniProt ID:** Q6ZSG1

**Cytogenetics:** 18q21.1

**Gene Summary:** Encoded in regions involved in pericentric inversions in patients with bipolar affective disorder. [provided by RefSeq, Jul 2008]

## Product images:




Circular map for RG216480