

## Product datasheet for **RG226652**

### **C2CD4C (NM\_001136263) Human Tagged ORF Clone**

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| <b>Product Type:</b>      | Expression Plasmids     |
| <b>Tag:</b>               | TurboGFP                |
| <b>Symbol:</b>            | C2CD4C                  |
| <b>Synonyms:</b>          | FAM148C; KIAA1957; NLF3 |
| <b>Mammalian Cell</b>     | Neomycin                |
| <b>Selection:</b>         |                         |
| <b>Vector:</b>            | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b> | Ampicillin (100 ug/mL)  |

**ORF Nucleotide Sequence:** >RG226652 representing NM\_001136263  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAAAAACCAACATGTGTTCTTGGAGCGGCTTCGGGGTCTGGGAAAACGGTGCTGCCCGGGCG  
TGGGAGTGAGGCGGGGACAAGGCCCTCAAGGGGCCCTGTACAGCAATGTGTTGACGCCGACAAGAT  
CCCCGACTTTTTCATCCCCCAAGCTGCCCTCGGGCCCCCGGAGGGCGAGGGACAGGCCGCGTGGG  
CCCTCCACGTCGGAACAGAACCTGGCTCTGCGGCCCGCCAGACCCACGGAGCCCCGGCTGCCTG  
CCAAGCTGGCAGCCGAGAGCAAGAGCTGCTGAAGGCAGCCACCCGGCACGTGATCCAGATCGAGAGTGC  
CGAGGACTGGCTGTCCGAGGAGGCCACTGACGCCGACCCCAAGGCCAGGGTGCCATGTCCCTGCCCTCG  
GTGCCAAGGCCAGAGCTCTACGGCTTCGCCATGCTGGCTGAGAGCCCCACAGAGGCGCAAGGAGT  
CTCTGTTCCACAGTGAGCACGGGCTCTGGCCAGGTGGGTCCCAGGGGCCGGCGCCCGGGCAGC  
TGCCAAGGCCAACGGGGTGATGGGGGCCCGAGGAGGCTGGCGGGGCCCTCATGAGCCCCGCCGCTAC  
TTCAGTGGCGGGGAGAGCGACACAGGTCCTCGGCCGAGTCTCCCCCTTCGGGTCCCCTCTGCTGTCCC  
GCTCCGTGTCTCTGCTCAAAGGTTTCGCCAGGACAGCCAGGCCAAGGTGAGCCAGCTCCGGCACTCCGT  
GGGCCGCCACGGCTCCCTGTCTGCGGACGACAGCACCCCGACGCCAGCCCCGGGAGCCGGCGCCGCTG  
ACCCGCCGGGCACCCCGGAACCTGGCCCCGAGTCGGGCCAGGCGCGTGGGGAGCACACGGTCCACGTGG  
GCCCTCGGGGAGCGTGGGCTGCTGGCCGAGTACGAGGCCGCCAGGCCCGCTGCGGTGCACCTGCT  
GGCCGCCGAGGGCTCTACGACCGCTGTGCGACGCCCGCAGCATCAACTGCTGCGTGGGCTGTGCTG  
GTGCCGGGCAAGCTGCAGAAGCAGCGCAGCACCATCGTGAAGAACGCCCGCCCGCTTCAACGAGG  
ATTTCTTCTCGACGGCTGGGGCCCGCAGCGTCCGAAACTGGCCCTCAGGATCAAGGTGGTGAACAA  
GGGCAGCAGCTCAAGCGGACACGCTGCTCGGGGAGAAGGAGTGCCCTGACCTCCCTGCTCCCTTC  
CTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



**Protein Sequence:**

>RG226652 representing NM\_001136263

Red=Cloning site Green=Tags(s)

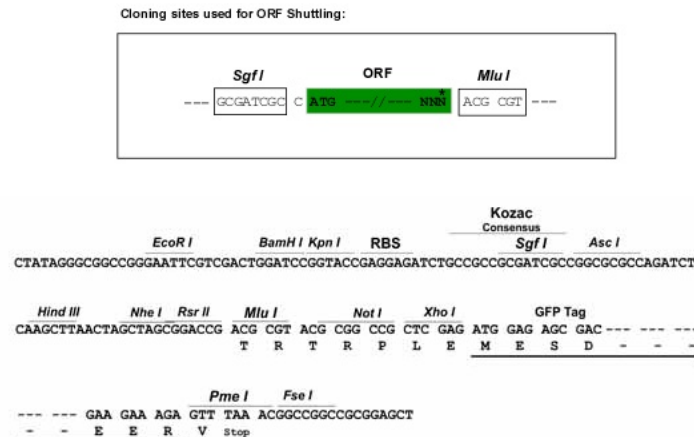
MRKTNMWFLERLRGSGENGAARGVGSEAGDKASKGPLYSNVLTPDKIPDFFIPPKLPSGPAEGEGQAALG  
PSTSEQNLAASAAPRQTPRSPRLPAKLAESKSLKAATRHVIQIESAEDWLSEEATDADPQAQGAMSLPS  
VPKAQTSYGFAMLAESPHTRRKESLFHSEHGALAQVGSPGAGRRRAAKANGDGGPREAGGALMSPGRY  
FSGGESDTGSSAESSPFGSPLLRSVSLLKGFAQDSQAKVSQRLRHSVGRHGSLSADDSTPDASPGSRRRL  
TRRAPPEPGPESGQARGEHTVHVGPGRGSRLLAEYEAGQARLRVHLLAAEGLYDRLCDARSINCCVGLCL  
VPGKLQKQRSTIVKNSRRPVFNEDFFFDGLGPASVRKLALRIKVVNKGSSSLKRDTLGKELPLTSLLPF  
L

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:**

NM\_001136263

**ORF Size:**

1263 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\\_001136263.2](#)

**RefSeq Size:** 3124 bp

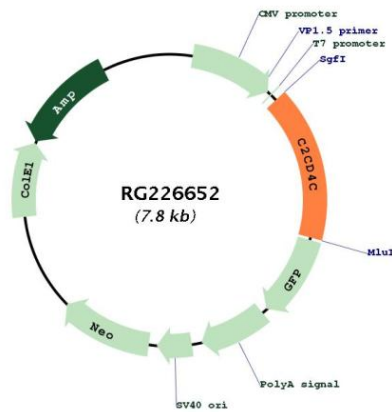
**RefSeq ORF:** 1266 bp

**Locus ID:** 126567

**UniProt ID:** [Q8TF44](#)

**Cytogenetics:** 19p13.3

**Product images:**



Circular map for RG226652