

## Product datasheet for **RG222939**

### **ONECUT3 (NM\_001080488) Human Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | ONECUT3 (NM_001080488) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                      |
| Symbol:                   | ONECUT3                                       |
| Synonyms:                 | OC3   |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-AC-GFP (PS100010)                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                        |



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**ORF Nucleotide Sequence:**

>RG222939 representing NM\_001080488  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGCTGAGCCTGGAGAGCCTGGGGGCTGCACAGCTGGCCACGCGCAGGCGGGCGAGCTGCTGA  
 GCCGGGCCACGCGCGCTCGGGCGGGCGCAGCACCGCGCCTGGTGGGCCCGGGCGCCGGGGCTGGT  
 GGCCGGCATGGCGAGCCTGCTGGACGGCGGGCGGGCGGGCGGGTGGGGCGCCGGGGCGCGGGCGGC  
 GCGGGCAGCGGGCGGGCGGGCGGACTTCCGCGGGAACTGGCGGGCCCGCTGCACCCGCAATGGGCA  
 TGGCCTGCGAGGCGCCGGCCTGGGCGGCACCTACACGACGCTACGCCCCTGCAGCACCTGCCCGCT  
 CGCGGCCGTGGCCGACAAGTTCACCAGCACGCGGGCGGGCGGGCGGGTGGCCGGGGCGCACGGGGCCAT  
 CCCACGCGCACCCGACCCGGCGGGCGCGCCGCCCGCCACCCCGCCGAGCGTCTGGCGGCCAGCG  
 TGAGCGGAGCTTACCCTCATGCGGACGAGCGGGCGGGCGCTCGCTCCGTGGCCACCTTACGGACC  
 CTACGGCAAGGAGCTGCCCGCATGGGGTCCGGCTGTGCGCGCTGCCAACGCGCTGCCCGCCGCGCTG  
 CAGGGCGCCCGAGCCCGCCGCCACCACCCCGCGCTGGCCCGCTACGGCCCGCCAGGCCACC  
 TGGCTGGGGACAAGTGTGTCGCCCGCCGCTTCGAGCCGACGCCCGCTGCTGGGACGCGGGAGGA  
 CGCACTGGCCCGGGCTGCCGGAGGGCGGGCGGCACAGGCAGCGGGAGCGGGCAGCGGGAGCGCC  
 GCGGGGTGTGGCGCCGCTGGGCGGGCTGGCGGGCGGGCGGCACGGGCCGACGGGGAGGGCGGG  
 GCCCGGGCGGGAGCGGGCGGGCGGGCCAGCGGGCGCAGCGGGCAGGAGATCAACCAAGGAGGTGGC  
 GCAGCGCATCACGGCGGAGCTGAAGCGCTACAGCATCCCGAGGCAATCTTCGCGCAGCGGATCTGTGT  
 CGCTCTCAGGGCAGCTCTCCGACTGCTGCGCAACCCCAAGCCGTGGAGCAAGCTCAAATCCGGCCGG  
 AGACCTCCGCAAGTGTGGAAGTGGCTGCAGGAGCCAGAGTTCAGCGCATGTGCGCGCTGCGCTTGGC  
 AGCCTGCAAGCGCAAGGAACAGGAGCAGCAGAAGGAGCGCGCCCTGCAGCCCAAGAAGCAGCGCCTGGT  
 TTCACCGACTGCAGCGACGACGCTGATGCCATCTTCAAGGAGAACAAGCGGGCTCCAAGGAGATGC  
 AGGTACCATCTCGCAGCAGCTCGGCTTGGAGCTCAACACCGTCAGCAACTTCTCATGAACGCGCGGGC  
 CCGCTGCATGAACCGCTGGGCTGAGGAGCCAGCACGGCCCCGGGGGCCCGCCGGCGCCACGGCCACT  
 TTCTCAAAGGCC

**ACGCGTACGCGGGCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG222939 representing NM\_001080488  
 Red=Cloning site Green=Tags(s)

MELSLES LGGLHSVAHAQAGELLSPGHARSAAAQHRGLVAPGRPGLVAGMASLLDGGGGGGGGAGGAGG  
 AGSAGGGADFRGELAGPLHPAMGMACEAPGLGGTYTTLTPLQHLPPPLAAVADKFKHQAAAAAVAGAHGGH  
 PHAHPHAAAAPPPPPPPQRLAASVSGSFTLMRDERAALASVGHLYGYPYKELPAMGSPLSPLPNALPPAL  
 HGAPQPPPPPPPLAAYGPPGHLAGDKLLPAAFEPHAALLGRAEDALARGLPGGGGGTSGGAGSGSA  
 AGLLAPLGGLAAAGAHGPHGGGGPGSGGGPSAGAAAEEINTKEVAQRITAELKRYSHIPQIFAQRILC  
 RSQGTLSDLLRNPKPWSKLSGRETFRRMWKWLQEPEFQMSALRLAACKRKEQEQQKERALQPKKQRLV  
 FTDLQRRTLIAIFKENKRPSKEMQVTISQQLGLELNTVSNFFMNRRCMNRWAEESTAPGGPAGATAT  
 FSKA

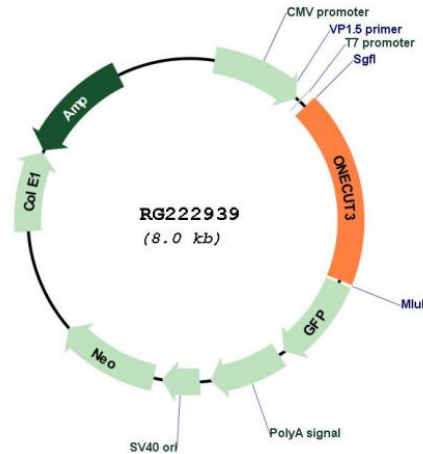
**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul



## Plasmid Map:



ACCN: NM\_001080488

ORF Size: 1482 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\\_001080488.2](#)

**RefSeq Size:** 1485 bp

**RefSeq ORF:** 1485 bp

**Locus ID:** 390874

**UniProt ID:** [O60422](#)

**Cytogenetics:** 19p13.3

**Protein Families:** Druggable Genome

**Gene Summary:** Transcriptional activator. Binds the consensus DNA sequence 5'-DHWATTGAYTWWD-3' on a variety of gene promoters such as those of HNF3B and TTR (By similarity).[UniProtKB/Swiss-Prot Function]