

## Product datasheet for **RG206082**

### **FUT11 (NM\_173540) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | FUT11 (NM_173540) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | FUT11                                    |
| Synonyms:                 | FUCTXI                                   |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>RG206082 representing NM\_173540  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGGCGGCCGCCCATTAGGGTGGTGTGGTCTCTAGGGGTGCTCAGTGTCTGTGCAGCCAGCGGCC  
 ATGGGTCCGTAGCGAGAGGGAGGCCGGCGGGAGGCGGAGTGGGCGGAACCGTGGGATGGCGCGT  
 CCGGCCGCCCGCGCGCTGGGCGCAGTGGGGTGACGCGCAGCTCTGGGACGCCCGCGGCCAGGGAGGGAG  
 GAGGCGGGGACTTGCCGGTACTGCTGTGGTGGAGCCAGGGCTATTCCCCACTTCCGGGAGACTCGG  
 AGCGCATCGAGTGTGCGCGCGCGCGTGCCTGGCGTCCCGGAACCGCGAGCGTGAGGGACTCGCGGAC  
 GCGCGCGTCTCTTACGGCACAGACTTCCGCGCGTGGCGCGCCCGCTGCCGCGCTGGCGCACCAG  
 AGCTGGGCGTCTCCACGAGGAGTCGCCCTCAACAATTCTTGCTGAGCCACGGCCCGGGCATCCGCC  
 TCTTCAATCTTACCTCCACCTTCAGTCGCCACTCGGATTACCCGCTGTCGCTGCAGTGGTGGCCGGGAC  
 CGCTATCTGCGCGCCCGGTGCTCCGCCATGGAACGCGCGGAGTGGCGCCCGCGCGGTACGCGCCG  
 CTGCTCTATCTGAGTCACACTGCGACGTGCCAGCGGACCGGACCGCTACGTGCGCGAGCTCATGCC  
 ACATCCCGGTAGACTCCTACGGAAATGCCTGCAGAATCGGGAGCTGCCTACCGCGCGGTACAGGACAC  
 AGCCACGCCACCACCGAGGATCCAGAGCTCTTGGCTTTCTTGTCGCCGCTATAAGTTCACCTTGGCCCTG  
 GAAATGCCATCTGTAACGACTACATGACAGAAAACTGTGGCGTCCCATGCACCTGGGCGCTGTGCCCG  
 TGTACCGCGTCTCCCTCTGTGAGGACTGGATGCCGAACAATCACTCCGTCATCTGATTGATGATTT  
 TGAGTCTCCTCAGAAGCTGGCAGAGTTTATTGACTTTCTGGACAAGAATGATGAGGAGTATATGAAATAC  
 CTGGCATACAAGCAACCTGGGGGCATACCAACCAATTTCTTCTGGATAGTCTGAAGCATCGGGAGTGGG  
 GAGTGAATGATCCTTTGCTGCCTAACTACCTCAACGGCTTCGAGTGTTCGCTGTGACTACGAACTGGC  
 TCGGCTGGATGCCGAGAAAGCCACGCGGCTCTCCCGGGACAGCCCGTCTTTGAGCCCCACATTGCC  
 CAGCCCTCACACATGGACTGCCAGTGCCACACCTGGCTTTGGCAATGTGGAAGAGATTCTGAGAATG  
 ACAGTTGGAAGAGATGTGGCTGCAAGATTATTGGCAAGGTCTGGACCAGGGGGAAGCTCTCACTGCCAT  
 GATCCACAACAATGAAACAGAGCAGACGAAATTTGGGATTACCTACATGAAATCTTCATGAAGAGGCAA  
 CATCTC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206082 representing NM\_173540  
 Red=Cloning site Green=Tags(s)

MAAGPIRVVLVLLGVLSVCAASGHGSAEREAGGEAEWAEPWDGAVFRPPAALGAVGVTRSSGTPRPGRE  
 EAGDLPVLLWWSPLFPHPGDSERIECARGACVASRNRRLRDSRTRALLFYGTDFRASAAPLPRLAHQ  
 SWALLHEESPLNNFLLSHGPGIRLFNLSTFSRHSYPLSLQWLPGTAYLRRPVPPMERAEEWRRRGYAP  
 LLYLQSHCDVPADRDYVRELMRHIPVDSYGKCLQNRELPARLQDTATATTEDPELLAFLSRYKFHLAL  
 ENAICNDYMEKLWRPMLHGAVPVYRGSPSVRDWMPNNHSVILIDDFESPKLAEIFIDLDKNDEEYMKY  
 LAYKQPGGITNQFLDSLKHREWGVDPLLPNYLNGFECFVCDYELARLDAEKAHAASPGDSPVFEPHIA  
 QPSHMDCPVPTPGFGNVEEIPENDSWKEMWLQDYWQGLDQGEALTAMIHNNETEQTGFWDYLHEIFMKRQ  
 HL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_173540

**ORF Size:** 1476 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\\_173540.1](#), [NP\\_775811.1](#)

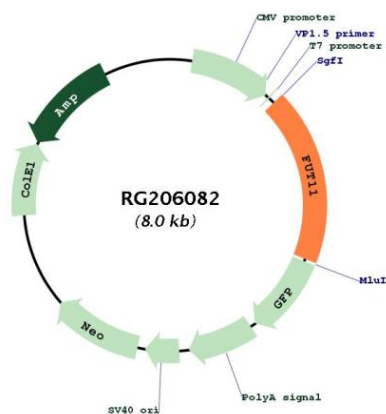
**RefSeq Size:** 2069 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 170384

UniProt ID: [Q495W5](#)  
 Cytogenetics: 10q22.2  
 Gene Summary: Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG206082