

## Product datasheet for **MG206955**

### **Fut10 (BC030474) Mouse Tagged ORF Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Fut10 (BC030474) Mouse Tagged ORF Clone                                    |
| Tag:                      | TurboGFP   |
| Symbol:                   | Fut10  |
| Synonyms:                 | MGC40819   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >MG206955 representing BC030474<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGC GGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG  
TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA  
CGGACATAGAGATGTGGAGGGAGAGCCTAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG  
GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA  
CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTGTCTTTACCATCAACAGGACCTTCCAGCATCATCC  
GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAGGCC  
CATCATGACTGGGCGCTTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTTCCATAAACAGTCA  
TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATTCCTTGGCCACTGACTACGCAGTACCTGGA  
AGGCGTGGACGTCCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA  
CTGGCCCCATTGGTATATGTTCACTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCCGGGAGC  
TGATGGCGTACATTGAAGTTGATTCCTATGGCGAGTGTACAGAACAGAGATCTCCCCAGCAGCTGAA  
AAACCCCGCTCCATGGATGCTGATGCTTTCTACAGAGTCACTGCCCAGTATAAGTTCATCCTGGCCTTT  
GAGAATCGGTCGTGACGATTACATCACAGAGAAGTTCTGGAGACCCTGAAACTGGGGCTCGTGCCCG  
TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTCCGAATT  
CTCTACCCCAGAGAGCTGGCGAGCTTCTATTAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT  
GTAGAGTGAAGCTAAAGGGCAAGATCTCTAACCGCGCTTCTGACAGCTCTCAATGAACGGGAGTGGG  
GTGTGACAGGACATTAACCGGACAACACTACATTGACTCGTTTGTGATGGTGTGCCGAGGGTGTGGGC  
AAACAGTAGGCTGCAGGAGCAGGTGAGTGAATGGAAATCTGGGGCTGGCATGGGCCGTCTCTGTGTG  
GTCCTGGTCTTCTTCTGTGGTGGTGCCTGCCACAGGGCTCTATTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206955 representing BC030474  
 Red=Cloning site Green=Tags(s)

MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLEPFPEKEALAL  
 AGRTKVDAGSYPIVLWWSPLTGETGRLGQCADACFFTINRTFQHHPMTRAF LFYGTDFNIDSLPLPREA  
 HHDWALFHEESPKNNYKLFHKPVITL FNHTATFSRHS LPLTTQYLEGVDVLKSLRYLVPLQAKNNLRQK  
 LAPLVVYQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDLPQQLKNPASMDADAFYRVIAQYKFI LAF  
 ENAVCDDYITEKFWRPLKLGVPVYYGSP TIADWLPSNRSAILVSEF SHPRELASFIRRLDYDDGLYETY  
 VEWKLGKIKSNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQE QVSEWKSGGWHG PSLCV  
 VLVFLLWWLPATGLYS

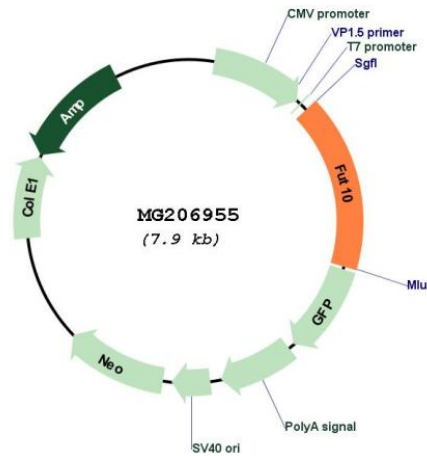
TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC030474

|                               |  |
|-------------------------------|--|
| <b>ORF Size:</b>              | 1308 bp  |
| <b>OTI Disclaimer:</b>        | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p> |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                | <a href="#">BC030474.1</a>   |
| <b>RefSeq Size:</b>           | 2874 bp  |
| <b>RefSeq ORF:</b>            | 1310 bp  |
| <b>Locus ID:</b>              | 171167   |
| <b>Cytogenetics:</b>          | 8 A3   |
| <b>Gene Summary:</b>          | Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]  |