

## Product datasheet for **MG206957**

### Fut10 (BC062113) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fut10 (BC062113) 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:	>MG206957 representing BC062113 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGC GGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG  
TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA  
CGGACATAGAGATGTGGAGGGAGAGCCTAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG  
GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCATCGTGTGTGGTGGTCCCCTGACTGGAGAGA  
CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTGTCTTTACCATCAACAGGACCTTCCAGCATCATCC  
GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAGCC  
CATCATGACTGGGCGCTTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTTCCATAAACCAGTCA  
TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATTCCTTGGCCACTGACTACGCAGTACCTGGA  
AGGCGTGGACGTCCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA  
CTGGCCCCATTGGTATATGTTCACTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCCGGGAGC  
TGATGGCGTACATTGAAGTTGATTCCTATGGCGAGTGTACAGAACAGAGATCTCCCCAGCAGCTGAA  
AAACCCCGCTCCATGGATGCTGATGCTTCTACAGAGTCACTGCCCAGTATAAGTTCATCCTGGCCTTT  
GAGAATGCGGTCTGTGACGATTACATCACAGAGAAGTTCTGGAGACCCTGAAACTGGGGTCTGTCGCCG  
TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTCCGAATT  
CTCTACCCCAGAGAGCTGGCGAGCTTCTATTAGGAGACTGGATTATGACGATGGTTGTATGAGACCTAT  
GTAGAGTGAAGCTAAAGGGCAAGATCTCTAACCGCGCTTCTGACAGCTCTCAATGAACGGGAGTGGG  
GTGTGACAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTGATGGTGTGCCGAGGGTGTGGGC  
AAACAGTAGGCTGCAGGAGCAGGTGAGTGAATGGAAATCTGGGGCTGGCATGGGCCGTCTCTGTGTG  
GTCCTGGTCTTCTTCTGTGGTGGTGCCTGCCACAGGGCTCTATTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206957 representing BC062113  
 Red=Cloning site Green=Tags(s)

MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLEPFPEKEALAL  
 AGRTKVDAGSYPIVLWWSPLTGETGRLGQCADACFFTINRTFQHHPMTRAF LFYGTDFNIDSLPLPREA  
 HHDWALFHEESPKNNYKLFHKPVITL FNHTATFSRHS LPLTTQYLEGVDV LKSLRYLVPLQAKNNLRQK  
 LAPLVVYQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDLPQQ LKNPASMADADAFYRVIAQYKFILAF  
 ENAVCDDYITEKFWRPLKLGVPVYYYGSP TIADWLPSNRSA ILVSEF SHPRELASFIRRLDYDDGLYETY  
 VEWKLGKIKSNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQE QVSEWKSGGWHG PSLCV  
 VLVFLLWWLPATGLYS

TRTRPLE - GFP Tag - V

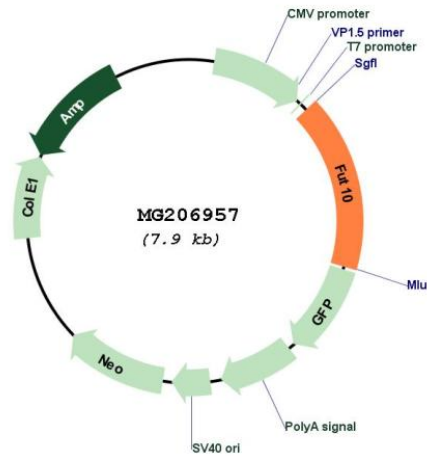
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC062113

<b>ORF Size:</b>	1310 bp
<b>OTI Disclaimer:</b>	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>
<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="#">BC062113</a> , <a href="#">AAH62113</a>
<b>RefSeq Size:</b>	2978 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]