

## Product datasheet for **MR206957**

### **Fut10 (NM\_134161) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fut10 (NM_134161) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut10
Synonyms:	fuc-TX; fut10A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206957 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGCGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG  
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA  
 CCGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG  
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA  
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTCTTTACCATCAACAGGACCTTCCAGCATCATCC  
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAAGCC  
 CATCATGACTGGGCGCTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTCCATAAACAGTCA  
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATCCCACTTGGCACTGACTACGCAGTACCTGGA  
 AGCGGTGGACGTCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA  
 CTGGCCCCATTGGTATATGTTTCAGTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCCGGGAGC  
 TGATGGCGTACATTGAAGTTGATTCTATGGCGAGTGTACAGAACAGAGATCTCCCCAGCAGCTGAA  
 AAACCCCGCTCCATGGATGCTGATGCTTTCTACAGAGTATTGCCAGTATAAGTTCATCTGGCCTTT  
 GAGAATGCGGTCTGTGACGATTACATCAGAGAAAGTTCTGGAGACCACTGAAACTGGGGTCTGCCCCG  
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT  
 CTCTACCCCAGAGAGCTGGCGAGCTTCAATAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT  
 GTAGAGTGAAGCTAAAGGGCAAGATCTTAACCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG  
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTAGTGTATGGTGTGCCGAGGGTGTGGC  
 AAACAGTAGGCTGCAGGAGCAGGTGAGTGAATGGAAATCTGGGGCTGGCATGGGCGTCTCTGTGTG  
 GTCTGTCTTCTTCTGTGGTGGTGCCTGCCACAGGGCTCTATTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206957 protein sequence  
 Red=Cloning site Green=Tags(s)

MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLEPFPEKEALAL  
 AGRTKVDAGSYPIVLWWSPLTGETGRLGQCGADACFFITNRTFQHHPMTRAFIFYGTFDFNIDSLPLPREA  
 HHDWALFHEESPKNKYKLFHKPVITLFNHTATFSRSHSLPLTTQYLEGVDVLKSLRYLVPLQAKNNLRQK  
 LAPLVVYQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDLPQQLKNPASMADAFYRVIAQYKILAF  
 ENAVCDDYITEKFWRPLKLGVPVYYGSPTIADWLPNSRSAILVSEF SHPRELASFIRRLDYDDGLYETY  
 VEWKLGKISNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQEQVSEWKS GGWHGPSLCV  
 VLVFLLWWLPATGLYS

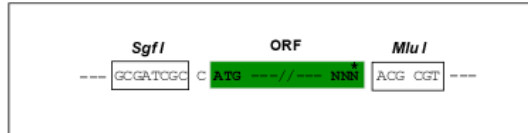
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_134161

**ORF Size:** 1311 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\\_134161.3](#)
**RefSeq Size:** 2979 bp

**RefSeq ORF:** 1311 bp

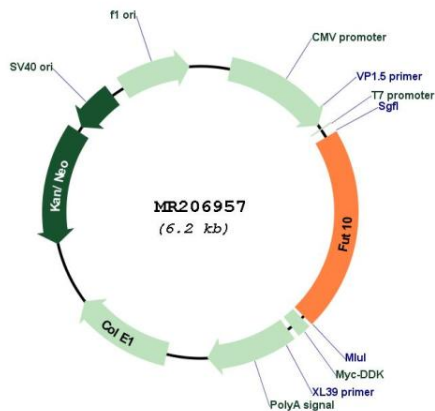
**Locus ID:** 171167

**UniProt ID:** [Q5F2L2](#)
**Cytogenetics:** 8 A3

MW: 50.4 kDa

Gene Summary: Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206957