

## Product datasheet for **MC227690**

### **Fut10 (NM\_001286424) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fut10 (NM\_001286424) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fut10  
**Synonyms:** fuc-TX; fut10A  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227690 representing NM\_001286424  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGTGGGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGACAGCGACTGTCTTTCTGATGG  
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGAAGA  
 CGGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG  
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA  
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTGCTTCTTTACCATCAACAGGACCTTCCAGCATCATCC  
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAGGCC  
 CATCATGACTGGGCGCTTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTTCCATAAACCCAGTCA  
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATTCCTCACTGGCCACTGACTACGCAGTACCTGGA  
 AGGCGTGGACGTCCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA  
 CTGGCCCCATTGGTATATGTTTCAGTGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCCGGGAGC  
 TGATGGCGTACATTGAAGTTGATTCTATGGCGAGTGTTCAGAACAGAGATCTTCCCAAGCAGCTGAA  
 AAACCCCGCTCCATGGATGCTGATGCTTTCTACAGAGTCAATGGCCAGTATAAGTTCATCCTGGCCTTT  
 GAGAATGCGGTCTGTGACGATTACATCACAGAGAAGTTCTGGAGACCACTGAAACTGGGGTCTGTCGCCG  
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT  
 CTCTACCCAGAGAGCTGGCGAGCTTCAATAGGAGACTGGATTATGACGATGGTTGTATGAGACCTAT  
 GTAGAGTGAAGCTAAAGGGCAAGATCTCTAACCCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG  
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTGATGGTGTGCCGAGGGTGTGGGC  
 AAACAGTAGGCTGCAGGAGCAGGTGAGTGAATGGAAATCTGGGGCTGGCATGGCCGCTCTCTGTGTG  
 GTCTGTCTTCTCTGTGGTGGTTCCTGCCACAGGGCTCTATTCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001286424
<b>Insert Size:</b>	1311 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001286424.1</a></u> , <u><a href="#">NP_001273353.1</a></u>
<b>RefSeq Size:</b>	2872 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	171167
<b>UniProt ID:</b>	<u><a href="#">Q5F2L2</a></u>
<b>Cytogenetics:</b>	8 A3
<b>Gene Summary:</b>	Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR and includes a 3' terminal exon extends past a splice site that is used in variant 1. It encodes isoform b which is shorter and has a distinct C-terminus, compared to isoform a. Variants 3 and 4 encode the same protein.