

## Product datasheet for **MC227434**

### **Fut8 (NM\_001252616) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fut8 (NM\_001252616) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fut8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227434 representing NM\_001252616  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTTTTAAATCTAGGCTAGGTTCTCAGAATCCTAAGGACTGCAGCAAAGCCAGGAAGCTGGTGTGTA  
 ACATCAATAAAGGCTGTGGCTATGGTTGTCAACTCCATCAGTGGTCTACTGTTTCATGATTGCTTATGG  
 CACCCAGCGAAGCACTCATCTTGGAAATCTCAGAATTGGCGCTATGCTACTGGTGGATGGGAGACTGTGTTT  
 AGACCTGTAAGTGAGACATGTACAGACAGATCTGGCCTCTCCACTGGACACTGGTCAGGTGAAGTAAATG  
 ACAAAAACATTCAAGTGGTCGAGCTCCCCATTGTAGACAGCCTCCATCCTCGGCCTCCTTACTTACCACT  
 GGCTGTTCCAGAAGACCTTGACAGCCGACTCCTAAGAGTCCATGGTGACCCTGCAGTGTGGTGGGTGTCC  
 CAGTTTGTCAAATACTTGATTCTCCACAACCTTGGCTGGAAAAGGAAATAGAAGAAGCCACCAAGAAGC  
 TTGGCTTCAAACATCCAGTTATTGGAGTCCATGTCAGACGCACAGACAAAGTGGGAACAGAAAGCAGCCTT  
 CCACCCCATCGAGGAGTACATGGTACACGTTGAAGAACATTTTCAGCTTCTCGCACGCAGAATGCAAGTG  
 GATAAAAAAAGAGTATATCTGGCTACTGATGATCCTACTTTGTTAAAGGAGGCAAAGACAAAGTACTCCA  
 ATTATGAATTTATTAGTGATAACTCTATTTCTTGGTCAGCTGGACTACACAATCGGTACACAGAAAATTC  
 ACTTCGGGGTGTGATCCTGGATATACACTTTCTCTCACAGGCTGACTTTCTAGTGTGACTTTTTTCATCC  
 CAGGCTGTGCGGGTGTCTTATGAAATCATGCAAACCCTGCATCCTGATGCCTCTGCGAACTTCCATTCTT  
 TGGATGACATCTACTATTTTGGAGGCCAAAATGCCACAATCAGATTGCTGTTTATCCTCACAAACCTCG  
 AACTGAAGAGGAAATCCAATGGAACCTGGAGATATCATTGGTGTGGCTGGAAACCATGGGATGGTTAT  
 TCTAAAGGTATCAACAGAAAACCTTGAAAAACAGGCTTATATCCCTCCTACAAAGTCCGAGAGAAGATAG  
 AAACAGTCAAGTATCCACATATCCTGAAGCTGAAAAATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252616



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<b>Insert Size:</b>	1161 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_001252616.1</a></u> , <u><a href="#">NP_001239545.1</a></u>
<b>RefSeq Size:</b>	2106 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	53618
<b>UniProt ID:</b>	<u><a href="#">Q9WTS2</a></u>
<b>Cytogenetics:</b>	12 C3
<b>Gene Summary:</b>	<p>Catalyzes the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct and shorter N-terminus, compared to isoform 1.</p>