

## Product datasheet for MC227145

### Fut7 (NM\_001289455) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fut7 (NM\_001289455) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fut7  
**Synonyms:** AI853193; FTVII; Fuc-TVII; FucT-VII  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227145 representing NM\_001289455  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAATTGTATTGGGTACCACCCACCAGGAGGCTGCGGGCTGGGGCGGCCTAGCTGGAGGAGCAACAT  
 TCATGGTAATTTGGTTTTCTGGCTGTGGGATCAGCTCCTGGAAGTGCCCTGTGCCTCAGTCCACACT  
 CACCATCCTTATCTGGCACTGGCCTTTACCAACCGGCCGCCAGAGCTACCTGGTGACACCTGCACTCGC  
 TATGGCATGGCCAGCTGCCGTCTGAGTGCTAACCGGAGCCTGCTAGCCAGTGCTGATGCTGTGGTCTCC  
 ACCACCGTGAGCTGCAAACCCGCAATCTCCTACCCCTGGACCAGAGGCCACACGGACAGCCTTGGGT  
 CTGGGCTCCATGGAATCGCCAGTAATACCCATGGTCTCCATCGCTTCCGGGGCATCTTCAACTGGGTG  
 CTGAGCTATCGGCGTGATTGAGATATCTTTGTACCCTACGGTCGCTTGGAGCCTCTCTCTGGGCCACAT  
 CCCCACTACCGGCCAAAAGCAGGATGGCTGCCTGGGTGATCAGCAATTTCCAGGAGCGGCAGCAGCGTGC  
 AAAGCTGTACCGGCAGCTGGCCCTCATCTGCAGGTGGATGTGTTCGGTCGCGCCAGCGGACGGCCCTA  
 TGCCTAATTGTCTGCTGCCACTTTGGCCCGTACCCTTCTACCTGGCCTTTGAGAATCACAGCATC  
 GGGACTACATCACTGAGAAGTTCTGGCGCAATGCCCTGGCGGCTGGTGTGTACCCGTGGCGCTGGGACC  
 TCCTCGGGCCACCTACGAGGCTTTTGTGCCACCAGATGCCTTTGTACACGTGGACGACTTCACTCTGCC  
 CGTGAACCTGGCTGTCTTCTCGTCAGCATGAATGAGAGTCGTTATCGTGGCTTCTTTGCTTGGCAGACC  
 GGCTCCGTGTGGGCTCCTGGGTGACTGGAGGGAGCGCTTCTGCACCATCTGTGCCCGCTACCCCTACTT  
 GCCCGCAGCCAGGTCTATGAAGACCTTGAAGCTGGTCCAGGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289455



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<b>Insert Size:</b>	1029 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_001289455.1</a></u> , <u><a href="#">NP_001276384.1</a></u>
<b>RefSeq Size:</b>	1787 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	14347
<b>UniProt ID:</b>	<u><a href="#">Q11131</a></u>
<b>Cytogenetics:</b>	2 A3
<b>Gene Summary:</b>	<p>Catalyzes alpha-1,3 glycosidic linkages involved in the expression of sialyl Lewis X antigens. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 3. Variants 1, 2, 4, 5, 6 and 7 encode the same isoform (a), which is shorter and has a distinct N-terminus, compared to isoform b.</p>