

## Product datasheet for **MC228348**

### **Fut8 (NM\_001252614) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fut8 (NM_001252614) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fut8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228348 representing NM\_001252614  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGGGCATGGACTGGTTCCTGGCGTTGGATTATGCTCATTCTTTTGCCTGGGGACCTGTATT  
 ATATAGGTGGTCATTTGGTTCGAGATAATGACCACCCTGATCACTCCAGCAGAGAACTCTCCAAGATTCT  
 TGCAAAGCTTGAACGCTTAAAACAGCAAAATGAAGACTTGAGGCGAATGGCTGAGTCTCTCCGAATACCA  
 GAAGGCCCATTTGACCAGGGGACAGCTACAGGAAGAGTCCGTGTTTTAGAAGAACAGCTTGTAAAGGCCA  
 AAGAACAGATTGAAAATTAACAAGAAACAAGCTAGAAATGGTCTGGGGAAGGATCATGAAATCTTAAGAAG  
 GAGGATTGAAAATGGAGCTAAAGAGCTCTGTTTTTTCTACAAAGCGAACTGAAGAAATTAAGCATTTA  
 GAAGGAAATGAACTCAAAGACATGCAGATGAAATCTTTGGATTTAGGACACCATGAAAGGTCTATCA  
 TGACAGATCTATACTACCTCAGTCAAACAGATGGAGCAGGGGATTGGCGTAAAAAGAGGCCAAAGATCT  
 GACAGAGCTGGTCCAGCGGAGAATAACATATCTCCAGAATCCTAAGGACTGCAGCAAAGCCAGGAAGCTG  
 GTGTGTAACATCAATAAAGGCTGTGGCTATGGTTGTCAACTCCATCACGTGGTCTACTGTTTCATGATTG  
 CTTATGGCACCCAGCGAACACTCATCTTGAATCTCAGAATTGGCGCTATGCTACTGGTGGATGGGAGAC  
 TGTGTTTAGACCTGTAAGTGAGACATGTACAGACAGATCTGGCCTCTCCACTGGACACTGGTCAGGTGAA  
 GTAATGACAAAAACATCAAGTGGTCGAGCTCCCATTTAGACAGCCTCCATCCTCGGCCTCCTTACT  
 TACCACTGGCTGTTCCAGAAGACCTTGCAGACCGACTCCTAAGAGTCCATGGTGACCCTGCAGTGTGGTG  
 GGTGTCCAGTTTGTCAAATACTTGATTCGTCCACAACCTTGGCTGAAAAAGGAAATAGAAGAAGCCACC  
 AAGAAGCTTGGCTTCAAACATCCAGTTATTGGAGTCCATGTCAGACGCACAGACAAAGTGGGAACAGAAG  
 CAGCCTCCACCCATCGAGGAGTACATGGTACACGTTGAAGAACATTTTCAGCTTCTCGCACGCAGAAT  
 GCAAGTGGATAAAAAAGAGTATATCTGGCTACTGATGATCCTACTTTGTTAAAGGAGGCAAAGACAAAG  
 TACTCCAATTATGAATTTATTAGTGATAACTCTATTTCTTGGTCACTGGACTACACAATCGGTACACAG  
 AAAATTACTTCCGGGTGTGATCCTGGATATACACTTTCTCTCACAGGCTGACTTTCTAGTGTGACTTT  
 TTCATCCAGGTCTGTCCGGTGTGCTTATGAAATCATGCAAACCCTGCATCCTGATGCCTCTGCGAACTTC  
 CATTCTTTGGATGACATCTACTATTTTGGAGGCCAAAATGCCACAATCAGATTGCTGTTTATCCTCACA  
 AACCTCGAACTGAAGAGGAAATCCAATGGAACCTGGAGATATCATTGGTGTGGCTGGAACCATTTGGGA  
 TGGTTATTCTAAAGGTATCAACAGAAAACCTGGAAAAACAGGCTTATATCCCTCTACAAAGTCCGAGAG  
 AAGATAGAAACAGTCAAGTATCCACATATCCTGAAGCTGAAAAATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001252614
- Insert Size:** 1728 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001252614.1](#), [NP\\_001239543.1](#)

**RefSeq Size:** 3012 bp

**RefSeq ORF:** 1728 bp

**Locus ID:** 53618

**UniProt ID:** [Q9WTS2](#)

**Cytogenetics:** 12 C3

**Gene Summary:** 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]  
Transcript Variant: This variant (2) has an additional exon in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.