

Product datasheet for **MC227918**

Fut10 (NM_001286422) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut10 (NM_001286422) 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



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Fully Sequenced ORF: >MC227918 representing NM_001286422
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA
 CCGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTCTTTACCATCAACAGGACCTTCCAGCATCATCC
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAAGCC
 CATCATGACTGGGCGCTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTTCCATAAACCCAGTCA
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATCCCACTTGCCACTGACTACGCAGTACCTGGA
 AGCGGTGGACGTCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA
 CTGGCCCCATTGGTATATGTTTCAGTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCGGGAGC
 TGATGGCGTACATTGAAGTTGATTCCATGCGCGAGTGTTACAGAACAGAGATCTCCCCAGCAGCTGAA
 AAACCCCGCTCCATGGATGCTGATGCTTCTACAGAGTATTGCCAGTATAAGTTCATCTGGCCTTT
 GAGAATGCGGTCTGTGACGATTACATCAGAGAAAGTTCTGGAGACCACTGAAACTGGGGGTCGTGCCCC
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT
 CTCTACCCCAGAGAGCTGGCGAGCTTCAATAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT
 GTAGAGTGAAGCTAAAGGGCAAGATCTCTAACCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTAGTGTATGGTGTGCCGAGGGTGTGGC
 AAACAGTAGGCTGCAGGAGCAGGGCTTACCACCCAAACAATGGAAGGCAGATGTTAGCCACCTGCATTGC
 CCGGAGCCTGCCTTGTTCACCTTCTCATCTCCAGCTTCTCCGGCCCTACGTGGGAGATCGTTGCGAGAGC
 TGTGGCTACCTAGCTTCCAACAGTCTAAAAAAGAAGCCAGGCACTGAGGTGGCTGGTGGATAGGAATCA
 AAATTTTTCATCTGAAGAGTTCTGGGCTAGTATTTAAGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286422
- Insert Size:** 1446 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_001286422.1](#), [NP_001273351.1](#)

RefSeq Size: 3729 bp

RefSeq ORF: 1446 bp

Locus ID: 171167

UniProt ID: [Q5F2L2](#)

Cytogenetics: 8 A3

Gene Summary: Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1 and 2 encode the same protein.