

Product datasheet for **MC227144**

Fut7 (NM_001289454) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fut7 (NM_001289454) 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: >MC227144 representing NM_001289454
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATTGTATTGGGTACCACCCACCAGGAGGCTGCGGGCTGGGGCGGCCTAGCTGGAGGAGCAACAT
 TCATGGTAATTTGGTTTTCTGGCTGTGGGATCAGCTCCTGGAAGTGCCCTGTGCCTCAGTCCACACT
 CACCATCCTTATCTGGCACTGGCCTTTACCAACCGGCCGCCAGAGCTACCTGGTGACACCTGCACTCGC
 TATGGCATGGCCAGCTGCCGTCTGAGTGCTAACCGGAGCCTGCTAGCCAGTGCTGATGCTGTGGTCTCC
 ACCACCGTGAGCTGCAAACCCGCAATCTCCTACCCCTGGACCAGAGGCCACACGGACAGCCTTGGGT
 CTGGGCTCCATGGAATCGCCAGTAATACCCATGGTCTCCATCGCTTCCGGGGCATCTTCAACTGGGTG
 CTGAGCTATCGGCGTGATTAGATATCTTTGTACCCTACGGTCGCTTGGAGCCTCTCTCTGGGCCACAT
 CCCCACTACCGGCCAAAAGCAGGATGGCTGCCTGGGTGATCAGCAATTTCCAGGAGCGGCAGCAGCGTGC
 AAAGCTGTACCGGCAGCTGGCCCTCATCTGCAGGTGGATGTGTTCGGTCGCGCCAGCGGACGGCCCTA
 TGCCTAATTGTCTGCTGCCACTTTGGCCCGTACCGCTTCTACCTGGCCTTTGAGAATCACAGCATC
 GGGACTACATCACTGAGAAGTTCTGGCGCAATGCCCTGGCGGCTGGTGCTGTACCCGTGGCGCTGGGACC
 TCCTCGGGCCACCTACGAGGCTTTTGTGCCACCAGATGCCTTTGTACACGTGGACGACTTCACTCTGCC
 CGTGAACCTGGCTGTCTTCTCGTCAGCATGAATGAGAGTCGTTATCGTGCTTCTTTGCTTGGCGAGACC
 GGCTCCGTGTGGGCTCCTGGGTGACTGGAGGGAGCGCTTCTGCACCATCTGTGCCCGCTACCCCTACTT
 GCCCGCAGCCAGGTCTATGAAGACCTTGAAGCTGGTCCAGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289454



[View online »](#)

Insert Size:	1029 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:	<ol style="list-style-type: none">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:	<u>NM_001289454.1</u> , <u>NP_001276383.1</u>
RefSeq Size:	1864 bp
RefSeq ORF:	1029 bp
Locus ID:	14347
UniProt ID:	<u>Q11131</u>
Cytogenetics:	2 A3
Gene Summary:	<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 (5) 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>