

Product datasheet for **MC208516**

Fut7 (NM_013524) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fut7 (NM_013524) 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: >MC208516 representing NM_013524
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATTGTATTGGGTACCACCCACCAGGAGGCTGCGGGCTGGGGCGGCCTAGCTGGAGGAGCAACAT
TCATGGTAATTTGGTTTTCTGGCTGTGGGATCAGCTCCTGGAAGTGCCCTGTGCCTCAGTCCACACT
CACCATCCTTATCTGGCACTGGCCTTTACCAACCGGCCGCCAGAGCTACCTGGTGACACCTGCACTCGC
TATGGCATGGCCAGCTGCGTCTGAGTGCTAACCGGAGCCTGCTAGCCAGTGCTGATGCTGTGGTCTCC
ACCACCGTGAGCTGCAAACCCGCAATCTCCTACCCCTGGACCAGAGGCCACACGGACAGCCTTGGGT
CTGGGCTCCATGGAATCGCCAGTAATACCCATGGTCTCCATCGCTTCCGGGGCATCTTCAACTGGGTG
CTGAGCTATCGGCGTGATTAGATATCTTTGTACCCTACGGTCGCTTGGAGCCTCTCTCTGGGCCACAT
CCCCACTACCGGCCAAAAGCAGGATGGCTGCCTGGGTGATCAGCAATTTCCAGGAGCGGCAGCAGCGTGC
AAAGCTGTACCGGCAGCTGGCCCTCATCTGCAGGTGGATGTGTTCGGTCGCGCCAGCGGACGGCCCTA
TGCGCTAATTGTCTGCTGCCACTTTGGCCCGTACCCTTCTACCTGGCCTTTGAGAATCACAGCATC
GGGACTACATCACTGAGAAGTTCTGGCGCAATGCCCTGGCGGCTGGTGCTGTACCCGTGGCGCTGGGACC
TCCTCGGGCCACCTACGAGGCTTTTGTGCCACCGATGCCTTTGTACACGTGGACGACTTCACTCTGCC
CGTGAACCTGGCTGTCTTCTCGTCAGCATGAATGAGAGTCGTTATCGTGGCTTCTTTGCTTGGCGAGACC
GGCTCCGTGTGGGCTCCTGGGTGACTGGAGGGAGCGCTTCTGCACCATCTGTGCCCGCTACCCTTACTT
GCCCGCAGCCAGGTCTATGAAGACCTTGAAGCTGGTCCAGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013524



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|-------------------------------|--|
| 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). |
| 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: | NM_013524.3 , NP_038552.1 |
| RefSeq Size: | 1970 bp |
| RefSeq ORF: | 1029 bp |
| Locus ID: | 14347 |
| UniProt ID: | Q11131 |
| 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 (1) 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. 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.</p> |