

## Product datasheet for MR225872

### Fut7 (NM\_001177366) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fut7 (NM_001177366) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut7
Synonyms:	A1853193; FTVII; Fuc-TVII; FucT-VII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225872 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAACCCCTGCCACCAGCCTGCCTGTCCAGCCAGGGACACAGACTCCTTCCTTTCCAGACT  
GGAAAGCCCCCTCTGGGAGAGCAGGAAGGAAGCAACCTGCAACTCTCCAGCCCTGGACCTTGGGCTGA  
ACCTACAGTTCAAGGGTACCACCCACCAGGAGCTGCGGGCTGGGGCGGCTAGCTGGAGGAGCAACA  
TTCATGGTAATTTGGTTTTCTGGCTGTGGGATCAGCTCCTGGAAGTCCCTGTGCCTCAGTCCACAC  
TCACCATCCTTATCTGGCACTGGCCTTTCACCAACCGCCGCCAGAGCTACCTGGTGACACCTGCACTCG  
CTATGGCATGGCCAGCTGCCGTCTGAGTGCTAACCAGGAGCTGCTAGCCAGTGTGATGTGTGGTCTTC  
CACCACCGTGAGCTGCAAACCCGCAATCTCTCCTACCCCTGGACCAGAGGCCACACGGACAGCCTTGGG  
TCTGGGCTCCATGGAATCGCCAGTAATACCCATGGTCTCCATCGCTTCCGGGGCATCTTCAACTGGGT  
GCTGAGCTATCGGCGTGATTCAGATATCTTTGTACCCTACGGTCGCTTGGAGCCTCTCTCTGGGCCACA  
TCCCCACTACCGGCCAAAAGCAGGATGGCTGCCTGGGTGATCAGCAATTTCCAGGAGCGGCAGCAGCGTG  
CAAAGCTGTACCGGCAGCTGGCCCTCATCTGCAGGTGGATGTGTTCCGGTCGCGCCAGCGGACGGCCCT  
ATGCGCTAATTGTCTGCTGCCACTTTGGCCCGGTACCGCTTCTACCTGGCCTTTGAGAACTCACAGCAT  
CGGGACTACATCACTGAGAAGTTCTGGCGCAATGCCCTGGCGGCTGGTGCTGTACCCGTGGCGCTGGGAC  
CTCCTCGGGCCACTACGAGGCTTTGTGCCACCAGATGCCTTTGTACAGTGGAGCACTCAGCTCTGC  
CCGTGAACTGGCTGTCTTCTCCTCAGCATGAATGAGAGTCGTTATCGTGCTTCTTTGCTTGGCGAGAC  
CGGCTCCGTGTGCGGCTCCTGGGTGACTGGAGGGAGCGCTTCTGCACCATCTGTGCCGCTACCTTACT  
TGCCCCGAGCCAGGTCTATGAAGACCTTGAAAGCTGGTTCCAGGCT

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225872 protein sequence  
Red=Cloning site Green=Tags(s)

MPTPCPPACLSTPGTHRLLPPFDWKAPSWESRKEATCNSSSPGPWAEPTVQGYHPTRRLRAWGLAGGAT  
 FMVIWFFWLWGSAPGSAVPVQSTLTILIWHPFTNRPELPGDCTRYGMASCRLSANRSLASADAVVF  
 HHRELQTRQSLPLDQRPHGQPWWASMEPSNTHGLHRFRGIFNWVLSYRRSDIFVPYGRLEPLSGPT  
 SPLPAKSRMAAWVISNFQERQRAKLYRQLAPHLQVDVFGRASGRPLCANCLLPTLARYRFYLAFENSQH  
 RDYITEKFWRNALAAAGAVPVALGPPRATYEAFFPPDAFVHVDDFSSARELAVFLVSMNESRYRGFFAWRD  
 RLRVRLLDGWRERFCTICARYPYLPRSQVYEDLESWFQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001177366

**ORF Size:** 1170 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001177366.1](#), [NP\\_001170837.1](#)

**RefSeq Size:** 1764 bp

**RefSeq ORF:** 1170 bp

**Locus ID:** 14347

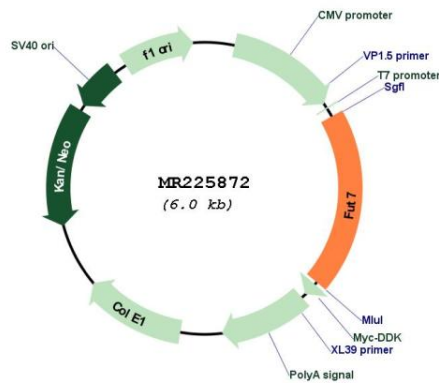
**UniProt ID:** [Q11131](#)

**Cytogenetics:** 2 A3

**MW:** 44.5 kDa

**Gene Summary:** Catalyzes alpha-1,3 glycosidic linkages involved in the expression of sialyl Lewis X antigens. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR225872