

## Product datasheet for **MG225872**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fut7 (NM_001177366) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fut7
Synonyms:	AI853193; FTVII; Fuc-TVII; FucT-VII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225872 representing NM_001177366 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAACCCCTGCCACCAGCCTGCCTGTCCACGCCAGGGACACAGACTCCTTCCCTTTCCAGACT  
GGAAAGCCCCCTCTGGGAGAGCAGGAAGGAAGCAACCTGCAACTCTTCCAGCCCTGGACCTTGGGCTGA  
ACCTACAGTTCAAGGGTACCACCCACCAGGAGGCTGCGGGCTGGGGCGGCTAGCTGGAGGAGCAACA  
TTCATGGTAATTTGGTTTTCTGGCTGTGGGATCAGCTCCTGGAAGTCCCTGTGCCTCAGTCCACAC  
TCACCATCCTTATCTGGCACTGGCCTTTACCAACCGGCCAGAGCTACCTGGTGACACCTGCACTCG  
CTATGGCATGGCCAGCTGCCGTCTGAGTGCTAACCAGGAGCCTGTAGCCAGTGCTGATGTGTGGTCTTC  
CACCACCGTGAGCTGCAAACCCGCAATCTCTCTACCCCTGGACCAGAGGCCACACGGACAGCCTTGGG  
TCTGGGCTCCATGGAATCGCCAGTAATACCCATGGTCTCCATCGCTTCCGGGGCATCTTCAACTGGGT  
GCTGAGCTATCGGCGTGATTCAGATATCTTTGTACCCTACGGTCGCTTGGAGCCTCTCTCTGGGCCACA  
TCCCCACTACCGGCAAAAGCAGGATGGCTGCCTGGGTGATCAGCAATTTCCAGGAGCGGCAGCAGCGTG  
CAAAGCTGTACCGCAGCTGGCCCTCATCTGCAGGTGGATGTGTTCCGGTCGCGCCAGCGGACGGCCCT  
ATGGCCTAATTTGTCTGCTGCCACTTTGGCCCGTACCCTTCTACCTGGCCTTTGAGAACTCACAGCAT  
CGGGACTACATCACTGAGAAGTTCTGGCGCAATGCCCTGGCGGCTGGTGCTGTACCGTGGCGCTGGGAC  
CTCCTCGGGCCACTACGAGGCTTTTGTGCCACCAGATGCCTTTGTACAGTGAGGACTTACGCTCTGC  
CCGTGAACTGGCTGTCTTCTCTCAGCATGAATGAGAGTCGTTATCGTGCTTCTTTGCTTGGCGAGAC  
CGGCTCCGTGTGCGGCTCCTGGGTGACTGGAGGGAGCGCTTCTGCACCATCTGTGCCGCTACCCTTACT  
TGCCCCGAGCCAGGTCTATGAAGACCTTGAAAGCTGTTCCAGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG225872 representing NM\_001177366  
 Red=Cloning site Green=Tags(s)

MPTPCPPACLSTPGTHRLLPFPDWKAPSWESRKEATCNSSSPGPWAEPTVQGYHPTRRLRAWGGLAGGAT  
 FMVIWFFWLWGSAPGSAPVPQSTLTILIWHPFTNRPELPGDCTRYGMASCRLLSANRSLASADAVVF  
 HHRELQTRQSLPLDQRP HQPWWASMEPSNTHGLHRFRGIFNWVLSYRRSDIFVPYGRLEPLSGPT  
 SPLPAKSRMAAWVISNFQERQRAKLYRQLAPHLQVDVFGRASGRPLCANCLLPTLARYRFYLAFENSQH  
 RDYITEKFWRNAL AAGAVPVALGPPRATYEA FVPPDAFVHVDDFSSARELAVFLVSMNESRYRGFFAWRD  
 RLRVRL LGDWRERFCTICARYPYLPRSQVYEDLESWFQA

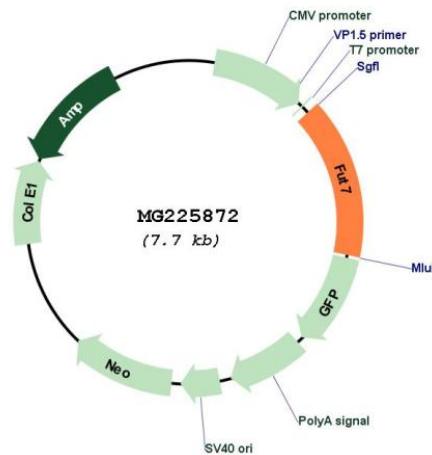
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001177366

<b>ORF Size:</b>	1167 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001177366.1</a> , <a href="#">NP_001170837.1</a>
<b>RefSeq Size:</b>	1764 bp
<b>RefSeq ORF:</b>	1170 bp
<b>Locus ID:</b>	14347
<b>UniProt ID:</b>	<a href="#">Q11131</a>
<b>Cytogenetics:</b>	2 A3
<b>Gene Summary:</b>	Catalyzes alpha-1,3 glycosidic linkages involved in the expression of sialyl Lewis X antigens. [UniProtKB/Swiss-Prot Function]