

## Product datasheet for **RG221222**

### **FUT10 (NM\_032664) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FUT10 (NM_032664) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FUT10
Synonyms:	FUCTX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG221222 representing NM\_032664  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGGGATTACAGAGGAGGAAGCTTTTGGCATCTTGCCTGTGCGTCACAGCCACCGTCTTTCTGCTTG  
 TCACACTCCAGGTCATGGTTGAGCTGGGGAAGTTTAAAAGGAAGGAGTTTAAAAGTTCCAGTTTGAAGA  
 TGGACATACAAAAATGGAGGAAGCACCTACGCATCTTAATTCATTTCTTAAAGAAAGAAGGATTGACCTTC  
 AACAGGAAAAGAAAATGGGAATTGGACAGCTACCCATTATGCTCTGGTGGTCCCGCTGACGGGGAGA  
 CTGGGAGGTTAGGCCAATGTGGAGCAGATGCTTGTTCCTCACCATCAACCGGACCTACCTCCATCATCA  
 CATGACCAAAGCATTCTCTTCTATGGTACTGACTTTAACATAGATAGCTTACCTCTGCCTCGGAAAAGCC  
 CATCATGACTGGCTGTTTTTCATGAAGAGTCCCCGAAAACAATTATAAGCTCTTTCATAAACCAGTGA  
 TCACCTTGTTCAACTACACTGCCAGTTCAGCAGGCATCCCACTTGGCCACTAACTACCCAATACTTGA  
 GAGCATTGAAGTCTGAAGTCACTCCGATACCTAGTTCCTTTGCAGTCCAAAAACAAGCTTAGAAAAAGA  
 CTTGCTCCGCTGGTGTATGTACAGTCAGACTGTGACCCACCATCAGACAGGGACAGCTATGTTCCGAGC  
 TGATGACTTACATCGAGGTCGATTCCATGTTGTTGATGTTACGAAACAAAGACCTCCCTCAGCAGCTGAA  
 AAATCCAGCCTCTATGGATGCCGATGGCTTTTATAGGATCATTGCACAGTATAAGTTTATCCTAGCTTTT  
 GAGAATGCAGTTTGTGATGACTACATCACTGAGAAGTTCTGGAGGCCACTGAAACTGGGGTAGTCCCTG  
 TATATTACGGATCCCCAGCATCACAGACTGGCTTCCAAGTAACAAAAGTGTATTCTTGTATCAGAATT  
 TTCTCACCCAGGAACTGGCAAGTTACATCAGACGACTGGATTCTGATGACAGATTGTATGAGGCCAT  
 GTAGAATGGAAGCTGAAGGTTGAGATCTTAACCAGCAGTCTGACAGCTCTCAGGAAACGAAATGGG  
 GAGTGCAAGCGTCAACCAGGACAATTACATCGATGCATTTGAGTGTATGGTGTGCACCAAGGTGTGGG  
 TAATATCAGGCTTCAGGAAAAGGCTTACCACCCAAAAGATGGGAGGCAGAAGATACCCACCTGAGTTGC  
 CCAGAGCCACAGTGTTTCTTCTCACCCTCCGACTCCACCTTTGAGCTCTTTGCGAGAGATGTGGA  
 TTTCCAGCTTTGAACAATCCAAGAAAGAAGCCAGGCACTAAGTGGCTGGTTGATAGGAATCAAAACT  
 TTCATCTCAAGAGTTTTGGGGCTAGTATTCAAGGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG221222 representing NM\_032664  
 Red=Cloning site Green=Tags(s)

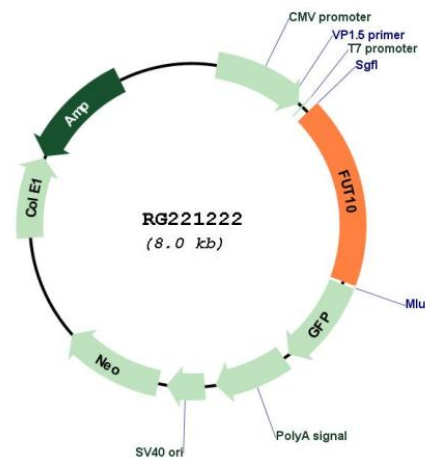
MVRIQRRKLLASCLCVTATVFLLVTLQVMVELGKFERKEFKSSSLQDGHKMEEAPTHLSFLKKEGLTF  
 NRKRKWLDSYIIMLWWSPLTGETGRLQCGADACFFITNRTYLHHHMTKAFLFYGTDFNIDSLPLRKA  
 HHDWAVFHEESPKNNYKLFHKPVITLFNATATFSRHSPLTTQYLESIEVLKSLRYLVPLQSKNLRKR  
 LAPLVYQSDCDPPSDRDSYVRELMYIEVDSYGECLRNDLPQQLKNPASMADGFYRIIAQYKILAF  
 ENAVCDDYITEKFWRPLKLGVPVYYGSPSITDWLPSNKSAILVSEF SHPRELASYIRRLSDDRLYEAY  
 VEWKLKGEISNQRLLTALRERKVGVDVNDNYIDAFECMVCTKVWANIRLQEKGLPPKRWEAEDTHLSC  
 PEPTVFAFSPLRTPPLSSLREMWISSFEQSKKEAQLRWLVDRNQNFSSQEFWGLVFKD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_032664

**ORF Size:** 1437 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\\_032664.3](#), [NP\\_116053.3](#)

**RefSeq Size:** 3549 bp

**RefSeq ORF:** 1440 bp

**Locus ID:** 84750

**UniProt ID:** [Q6P4F1](#)

**Cytogenetics:** 8p12

**Domains:** Glyco\_transf\_10

**Protein Families:** Transmembrane

**Gene Summary:** Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]