

Product datasheet for **RC221222**

FUT10 (NM_032664) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | FUT10 (NM_032664) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | FUT10 |
| Synonyms: | FUCTX |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC221222 representing NM_032664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGGATTACAGAGGAGGAAGCTTTTGGCATCTTGCCTGTGCGTCACAGCCACCGTCTTTCTGCTTG
 TCACACTCCAGGTCATGGTTGAGCTGGGAAGTTTAAAAGGAAGGAGTTAAAAGTTCCAGTTTGAAGA
 TGGACATACAAAAATGGAGGAAGCACCTACGCATCTTAATTCATTTCTTAAGAAAGAAGGATTGACCTTC
 AACAGGAAAAGAAAATGGGAATTGGACAGCTACCCATTATGCTCTGGTGGTCCCGCTGACGGGGGAGA
 CTGGGAGGTTAGGCCAATGTGGAGCAGATGCTTGTTCCTTACCATCAACCGGACCTACCTCCATCATCA
 CATGACCAAAGCATTCTCTTCTATGGTACTGACTTTAACATAGATAGCTTACCTCTGCCTCGAAAAGCC
 CATCATGACTGGGCTGTTTTTCATGAAGAGTCCCCGAAAACAATTATAAGCTCTTTCATAAACCAGTGA
 TCACCTTGTTCAACTACACTGCCAGTTCAGCAGGCATCCCACTTGGCCACTAACTACCCAATACTTGA
 GAGCATTGAAGTCTGAAGTCACTCCGATACCTAGTTCCTTTGCAGTCCAAAACAAGCTTAGAAAAAGA
 CTTGCTCCGCTGGTGTATGTACAGTCAGACTGTGACCCACCATCAGACAGGGACAGCTATGTTCCGGAGC
 TGATGACTTACATCGAGGTCGATTCCATGTTGTTGATGTTACGAAACAAAGACCTCCCTCAGCAGCTGAA
 AAATCCAGCCTCTATGGATGCCGATGGCTTTTATAGGATCATTGCACAGTATAAGTTTATCCTAGCTTTT
 GAGAATGCAGTTTGTGATGACTACATCACTGAGAAGTTCTGGAGGCCACTGAAACTGGGGGTAGTCCCTG
 TATATTACGGATCCCCAGCATCACAGACTGGCTTCCAAGTAACAAAAGTGTATTCTTGTATCAGAATT
 TTCTCACCCAGGAACTGGCAAGTTACATCAGACGACTGGATTCTGATGACAGATTGTATGAGGCCAT
 GTAGAATGGAAGCTGAAGGTGAGATCTTAACCAGCAGTCTGACAGCTCTCAGGGAACGAAAATGGG
 GAGTGCAAGACGTCACCCAGGACAATTACATCGATGCAATTTGAGTGTATGGTGTGACCAAGGTGTGGG
 TAATATCAGGCTTCAGGAAAAGGCTTACCACCCAAAAGATGGGAGGCAGAAGATACCCACCTGAGTTGC
 CCAGAGCCACAGTGTGCTTCTCACCCTCCGACTCCACCTTTGAGCTCTTTGCGAGAGATGTGGA
 TTTCCAGCTTTGAACAATCCAAGAAAGAAGCCAGGCACTAAGGTGGCTGGTTGATAGGAATCAAACTT
 TTCATCTCAAGAGTTTTGGGGCTAGTATTCAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221222 representing NM_032664
 Red=Cloning site Green=Tags(s)

MVRIQRRKLLASCLCVTATVFLLVTLQVMVELGKFERKEFKSSSLQDGHKMEEAPTHLSFLKKEGLTF
 NRKRKWLDSYPIMLWWSPLTGETGRLGQCGADACFFFTINRTYLHHHMTKAFLFYGTFDFNIDSLPLPRKA
 HHDWAVFHEEAPKNNYKLFHKPVITLFFNYTATFSRHSPLPLTTQYLESIEVLKSLRYLVPLQSKNKLRRR
 LAPLVYVQSDCDPPSDRDSYVRELMTYIEVDSYGECLRNKDLPPQLKNPASMADGFYRIIAQYKFLAF
 ENAVCDDYITEKFWRPLKLGVPVYYGSPSITDWLPSNKSAILVSEFVSHPRELASVIRRLDSDDRLYEAY
 VEWKLGKEISNQRLLTALRERKVGVDVNDNYIDAFECMVCTKVWANIRLQEKGLPPKRWEAEDTHLSC
 PEPTVFAFSPRLTPPLSSLREMWISSFEQSKKEAQLRWLVDRNQNFSSQEFWGLVFKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8116_d05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

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

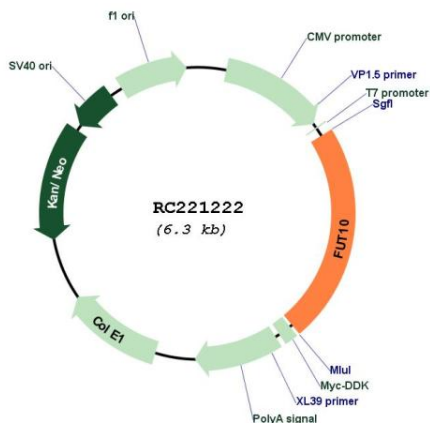
RefSeq ORF: 1440 bp

Locus ID: 84750

UniProt ID: [Q6P4F1](#)
Cytogenetics: 8p12

Domains: Glyco_transf_10
Protein Families: Transmembrane
MW: 55.9 kDa
Gene Summary: Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221222