

Product datasheet for **MR206955**

Fut10 (BC030474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut10 (BC030474) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut10
Synonyms:	MGC40819
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206955 representing BC030474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGGTTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA
 CCGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTCTTTACCATCAACAGGACCTTCCAGCATCATCC
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAAGCC
 CATCATGACTGGGCGCTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTCCATAAACAGTCA
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATCCCACTTGCCTGACTACGCAGTACCTGGA
 AGCGGTGGACGTCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA
 CTGGCCCCATTGGTATATGTTTCAGTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCCGGGAGC
 TGATGGCGTACATTGAAGTTGATTCTATGGCGAGTGTACAGAACAGAGATCTCCCCAGCAGCTGAA
 AAACCCCGCTCCATGGATGCTGATGCTTTCTACAGAGTATTGCCAGTATAAGTTCATCTGGCCTTT
 GAGAATGCGGTCTGTGACGATTACATCAGAGAAAGTTCTGGAGACCACTGAAACTGGGGTCTGCCCCG
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT
 CTCTACCCCAGAGAGCTGGCGAGCTTCAATAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT
 GTAGAGTGAAGCTAAAGGGCAAGATCTTAACCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTAGTGTATGGTGTGCCGAGGGTGTGGC
 AAACAGTAGGCTGCAGGAGCAGGTGAGTGAATGGAAATCTGGGGCTGGCATGGGCGTCTCTGTGTG
 GTCTGTCTTCTTCTGTGGTGGTGCCTGCCACAGGGCTCTATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206955 representing BC030474
 Red=Cloning site Green=Tags(s)

MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLEPFPEKEALAL
 AGRTKVDAGSYPIVLWWSPLTGETGRLGQCGADACFFTINRTFQHHPMTRAFIFYGTFDFNIDSLPLPREA
 HHDWALFHEESPKNNYKLFHKPVITLFNHTATFSRSHSLPLTTQYLEGVDVLKSLRYLVPLQAKNNLRQK
 LAPLVVYQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDLPQQLKNPASMDADAFYRVIAQYKILAF
 ENAVCDDYITEKFWRPLKLGVPVYYGSPTIADWLPNSRSAILVSEF SHPRELASFIRRLDYDDGLYETY
 VEWKLGKISNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQEQVSEWKS GGWHGPSLCV
 VLVFLLWWLPATGLYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC030474

ORF Size: 1308 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

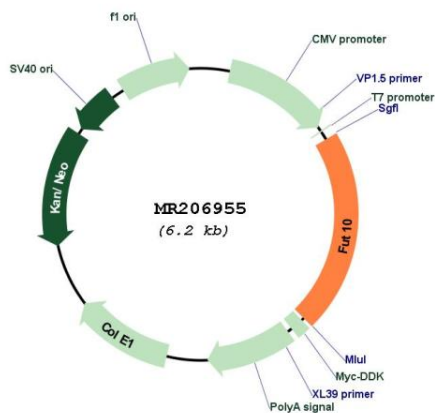
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC030474.1](#)

RefSeq Size: 2874 bp
 RefSeq ORF: 1310 bp
 Locus ID: 171167
 Cytogenetics: 8 A3
 MW: 105.4 kDa
 Gene Summary: Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR206955