

Product datasheet for **MR230129**

Fut10 (NM_001286422) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut10 (NM_001286422) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut10
Synonyms:	fuc-TX; fut10A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230129 representing NM_001286422
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGCGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA
 CCGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTGTCTTTACCATCAACAGGACCTTCCAGCATCATCC
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAAGCC
 CATCATGACTGGGCGCTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTCCATAAACAGTCA
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATCCCACTTGCCACTGACTACGCAGTACCTGGA
 AGCGGTGGACGTCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA
 CTGGCCCCATTGGTATATGTTTCAGTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCGGGAGC
 TGATGGCGTACATTGAAGTTGATTCCATATGGCGAGTGTTACAGAACAGAGATCTCCCCAGCAGCTGAA
 AAACCCCGCTCCATGGATGCTGATGCTTCTACAGAGTATTGCCAGTATAAGTTCATCTGGCCTTT
 GAGAATGCGGTCTGTGACGATTACATCAGAGAAAGTTCTGGAGACCACTGAAACTGGGGTCTGTCGCCG
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT
 CTCTACCCCAGAGAGCTGGCGAGCTTCAATAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT
 GTAGAGTGAAGCTAAAGGGCAAGATCTCTAACCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTGAGTGTATGGTGTGCCGCGAGGTGGG
 AAACAGTAGGCTGCAGGAGCAGGCTTACCACCCAAACAATGGAAGGCAGATGTTAGCCACCTGCATTGC
 CCGGAGCCTGCCTTGTTCACCTTCTCATCTCCAGCTTCTCCGGCCCTACGTGGGAGATCGTTGCGAGAGC
 TGTGGCTACCTAGCTTCCAACAGTCTAAAAAAGAAGCCAGGCACTGAGGTGGCTGGTGGATAGGAATCA
 AAATTTTTCATCTGAAGAGTTCTGGGCTCTAGTATTTAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230129 representing NM_001286422
 Red=Cloning site Green=Tags(s)

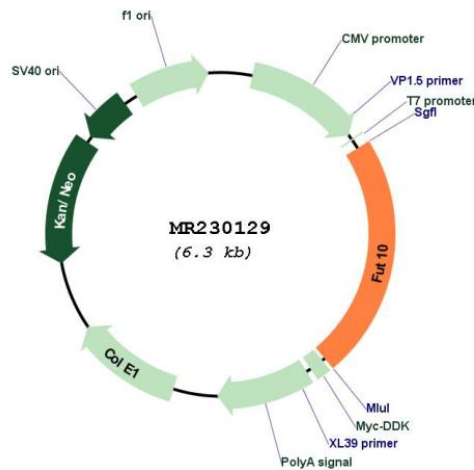
MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLEPFPEKEALAL
 AGRTKVDAGSYPIVLWWSPLTGETGRLQCGADACFFFTINRTFQHHPMTRAF LFYGTDFNIDSLPLPREA
 HHDWALFHEESPKNNYKLFHKPVITL FNHTATFSRHS LPLTTQYLEGVDVLKSLRYL VPLQAKNNLRQK
 LAPLVYVQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDL PQQLKNPASMDADAFYRVIAQYKILAF
 ENAVCDDYITEKFWRPLKLGVPVYVYGSPTIADWLP SNRSAILVSEF SHPRELASF IRRLDYDDGLYETY
 VEWKLKGI SNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQEQLPPKQWKADVSHLHC
 PEPALFTFSSPASPALRGRSLRELWLP SFQSKKEA QALRWLVDRNQNF SSEEFWALVFKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001286422

ORF Size: 1443 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_001286422.1](#), [NP_001273351.1](#)

RefSeq Size: 3729 bp

RefSeq ORF: 1446 bp

Locus ID: 171167

UniProt ID: [Q5F2L2](#)

Cytogenetics: 8 A3

MW: 56.2 kDa

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