

Product datasheet for **MR224322**

Fut10 (NM_001012517) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut10 (NM_001012517) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut10
Synonyms:	fuc-TX; fut10A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224322 representing NM_001012517
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA
 CGGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTGTCTTTACCATCAACAGGACCTTCCAGCATCATCC
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAAGCC
 CATCATGACTGGGCGCTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTTTCATAAACCAGTCA
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATCCCACTTGGCACTGACTACGCAGTACCTGGA
 AGGCGTGGACGTCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA
 CTGGCCCCATTGGTATATGTTTCAGTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCGGGAGC
 TGATGGCGTACATTGAAGTTGATTCTATGGCGAGTGTACAGAACAGAGATCTTCCCCAGCAGCTGAA
 AAACCCCGCTCCATGGATGCTGATGCTTCTACAGAGTATTGCCAGTATAAGTTCATCTGGCCTTT
 GAGAATGCGGTCTGTGACGATTACATCAGAGAAAGTTCTGGAGACCACTGAAACTGGGGTCTGTCGCCG
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT
 CTCTACCCCAGAGAGCTGGCGAGCTTCAATAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT
 GTAGAGTGAAGCTAAAGGGCAAGATCTTAACCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTAGTGTATGGTGTGCGCGAGGTTGGGG
 AAACAGTAGGCTGCAGGAGCAGGCTTACCACCAACAATGGAAGGCAGATGTTAGCCACCTGCATTGC
 CCGGAGCCTGCCTTGTTCACCTTCTCATCTCCAGCTTCTCCGGCCCTACGTGGGAGATCGTTGCGAGAGC
 TGTGGCTACCTAGCTTCCAACAGTCTAAAAAAGAAGCCAGGCACTGAGGTGGCTGGTGGATAGGAATCA
 AAATTTTTCATCTGAAGAGTTCTGGGCTTAGTATTTAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224322 representing NM_001012517
 Red=Cloning site Green=Tags(s)

MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLPEPFPEKEALAL
 AGRTKVDAGSYPIVLWWSPLTGETGRLGQCGADACFFFTINRTFQHHPMTRAFIFYGTFDFNIDSLPLPREA
 HHDWALFHEESPKNKYKLFHKPVITLFNHTATFSRHSPLPLTTQYLEGVDVLKSLRYLVPLQAKNNLRQK
 LAPLVYVQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDLPQQLKNPASMADAFYRVIAQYKFLAF
 ENAVCDDYITEKFWRPLKLGVPVYYGSPTIADWLPNSRSAILVSEF SHPRELASFIRRLDYDDGLYETY
 VEWKLGKISNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQEQLPPKQWKADVSHLHC
 PEPALFTFSSPASPALRGRSLRELWLPFQSKKEAQLRVLVDRNQNFSSSEFWALVFKD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1178_h08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001012517

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_001012517.5](#)

RefSeq Size: 3136 bp

RefSeq ORF: 1446 bp

Locus ID: 171167

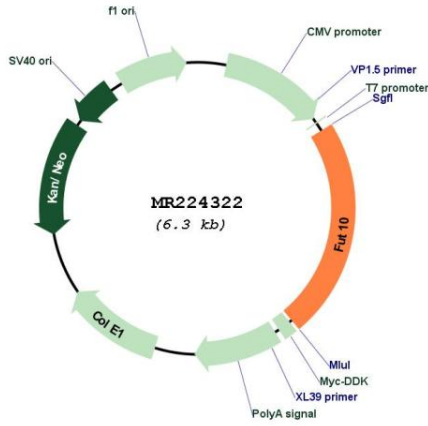
UniProt ID: [Q5F2L2](#)

Cytogenetics: 8 A3

MW: 56.2 kDa

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

Product images:



Circular map for MR224322