

Product datasheet for **MR229901**

Fut10 (NM_001286424) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut10 (NM_001286424) 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:

>MR229901 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGCGTTTCAGAGGAGGAAGCTTCTGGCCTCTTGCCTGTGTGTGACAGCGACTGTCTTTCTGATGG
 TCACACTCCAGGTAGTGGTTGAGCTTGGGAAATTTGAAAGGAAGAAGCTTAAAGACTCCAATGTGCAAGA
 CCGACATAGAGATGTGGAGGGAGAGCCTAAACACCTGGAGCCGTTTCTGAAAAGGAAGCACTGGCCTTG
 GCTGGGAGGACAAAGGTGGATGCTGGTAGCTACCCCATCGTGTGTGGTGGTCCCACTGACTGGAGAGA
 CTGGCAGGCTTGGCCAGTGTGGGCAGATGCTTGTCTTTACCATCAACAGGACCTTCCAGCATCATCC
 GATGACCAGGGCCTTCTATTCTACGGTACTGACTTTAACATAGACAGCTTACCTTTGCCTCGGGAAGCC
 CATCATGACTGGCGCTTTCCATGAAGAGTCCCCAAAAACAATTATAAGCTCTCCATAAACAGTCA
 TCACCTTATTCAACCATACGGCCACATTCAGCAGGCATCCCACTTGGCACTGACTACGCAGTACCTGGA
 AGCGGTGGACGTCTGAAGTCACTCAGATACCTAGTTCCTTTACAGGCTAAGAACAACCTAAGACAAAA
 CTGGCCCCATTGGTATATGTTTCAGTCGGACTGCGATCCACCATCAGACAGGGACAGCTATGTCCGGGAGC
 TGATGGCGTACATTGAAGTTGATTCTATGGCGAGTGTACAGAACAGAGATCTCCCCAGCAGCTGAA
 AAACCCCGCTCCATGGATGCTGATGCTTCTACAGAGTATTGCCAGTATAAGTTCATCTGGCCTTT
 GAGAATGCGGTCTGTGACGATTACATCAGAGAAAGTTCTGGAGACCACTGAAACTGGGGTCTGCCCCG
 TGTATTACGGATCCCCACCATCGCCGACTGGCTTCCAAGTAACCGAAGCGCCATTCTGGTGTGGGAATT
 CTCTACCCCAGAGAGCTGGCGAGCTTCATTAGGAGACTGGATTATGACGATGGGTTGTATGAGACCTAT
 GTAGAGTGAAGCTAAAGGGCAAGATCTTAACCAGCGGCTTCTGACAGCTCTCAATGAACGGGAGTGGG
 GTGTGCAGGACATTAACCAGGACAACACTACATTGACTCGTTTGTAGTGTATGGTGTGCCGAGGGTGTGGC
 AAACAGTAGGCTGCAGGAGCAGGTGAGTGAATGGAAATCTGGGGCTGGCATGGGCGTCTCTGTGTG
 GTCTGTCTTCTTCTGTGGTGGTTGCCTGCCACAGGGCTCTATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229901 protein sequence
 Red=Cloning site Green=Tags(s)

MVRFQRRKLLASCLCVTATVFLMVTLQVVVELGKFERKKLKDSNVQDGHDRDVEGEPKHLEPFPEKEALAL
 AGRTKVDAGSYPIVLWWSPLTGETGRLGQCGADACFFFTINRTFQHHPMTRAF LFYGTDFNIDSLPLPREA
 HHDWALFHEESPKNNYKLFHKPVITL FNHTATFSRSHSLPLTTQYLEGVDVLKSLRYLVPLQAKNNLRQK
 LAPLVVYQSDCDPPSDRDSYVRELMAYIEVDSYGECLQNRDLPQQLKNPASMDADAFYRVIAQYKFLAF
 ENAVCDDYITEKFWRPLKLGVPVYYGSPTIADWLP SNRSAILVSEF SHPRELASFIRRLDYDDGLYETY
 VEWKLGKISNQRLLTALNEREWGVQDINQDNYIDSFECMVCRRVWANSRLQEQVSEWKS GGWHGPSLCV
 VLVFLLWWLPATGLYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286424

ORF Size: 1311 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_001286424.1](#), [NP_001273353.1](#)

RefSeq Size: 2872 bp

RefSeq ORF: 1311 bp

Locus ID: 171167

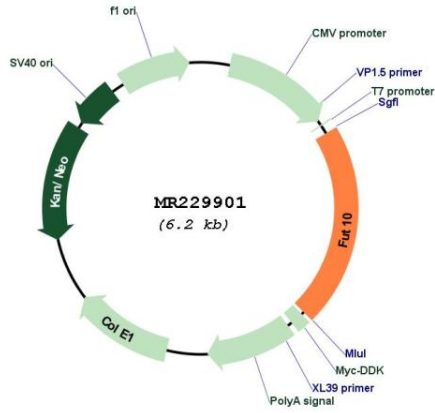
UniProt ID: [Q5F2L2](#)

Cytogenetics: 8 A3

MW: 50.4 kDa

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

Product images:



Circular map for MR229901