

Product datasheet for MR216593

Fut9 (NM_010243) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fut9 (NM_010243) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fut9
Synonyms: A1746471; AU067636; mFuc-TIX; mFUT9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216593 representing NM_010243
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACATCAACATCCAAAGGCATTCTTCGCCATTTCTAATCGTCTGCATCATCTGGGCTGCTTCATGG
CATGTCTGCTCATTATATCAAGCCACCAACAGCTGGGTCTTCAGTCCAATGGAGTCTGCAAGTTCTGT
GCTGAAAATGAAAATTTCTTCCACAAAACACTGATTATTTAACGAAACTACCATTCTGGTTGGGTA
TGGCCATTTGGCAGACCTTTGACCTTACATCCTGCCAAGCAATGTTCAATATCCAAGGGTGCCATCTCA
CAACAGACCGCTCATTGTACAACAAATCCCATGCGGTCTGATTCACCATAGAGACATCAGCTGGGATCT
GACTAACTTACCTCAGCAGGCCAGGCCACCCTTTCAGAAATGGATTTGGATGAATTTAGAGTCACCCACT
CACACCCCAAAAGAGTGGCATTGAACACTTGTCAACCTGACTCTAACTTATCGCCGTGATTCAGATA
TCCAAGTGCCTTATGGCTTCTTGACGGTGAGCACAATCCCTTTGTGTTGAAGTGCCAAGCAAGGAGAA
GTTGGTGTGCTGGGTTGTGAGTAACTGGAACCTGAGCATGCCAGGGTCAAGTATTACAACGAGCTCAGC
AAGAGTATTGAAATCCACACCTATGGCCAAGCATTGGGAGAACGTAACGTAACGATAAAAACTGATCCCA
CCATATCTACTTGTAAATTTTATCTTTTCAATTTGAAAACCAATTCACAAAGATTACATCAGAAAAAGCT
CTACAATGCATTTTGGCTGGTTCAGTACCTGTGTCTGGGTCCATCTAGGGAAAATATGAGAATTAT
ATTCCAGCTGATTCATTCATTGATGGAAGATTTAACTCTCCAGTGAGTTAGCAAAATATCTGAAGG
AAGTTGACAAAAACAATAAGTTGTACCTTAGTTACTTTAACTGGAGAAAAGGATTTTACTGTAAACCTACC
ACGGTTTTGGGAATCACATGCATGCCTGGCATGCGACCATGTAAAAAGGCATCAAGAATATAAGTCTGTT
GGTAATTTAGAGAAATGGTTTTGGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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Cloning Scheme:

ACCN: NM_010243

ORF Size: 1077 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: [NM_010243.3](#), [NP_034373.1](#)

RefSeq Size: 11990 bp

RefSeq ORF: 1080 bp

Locus ID: 14348

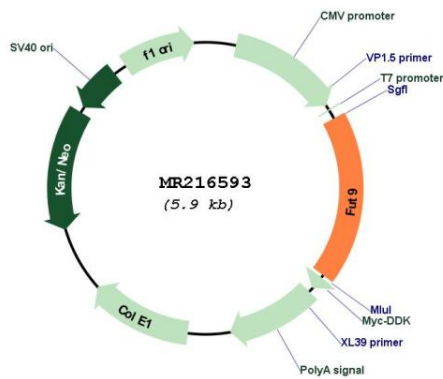
UniProt ID: [O88819](#)

Cytogenetics: 4 10.59 cM

MW: 42.5 kDa

Gene Summary: Transfers a fucose to lacto-N-neotetraose but not to either alpha2,3-sialyl lacto-N-neotetraose or lacto-N-tetraose. Can catalyze the last step in the biosynthesis of Lewis antigen, the addition of a fucose to precursor polysaccharides.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216593