

Product datasheet for **RC224643**

FUT5 (NM_002034) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FUT5 (NM_002034) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FUT5
Synonyms: FUC-TV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224643 representing NM_002034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCCCTGGGCCAGCCAAGCCACAGTGGCTGTGGCGCCGCTGTCTGGCCGGGCTGCTGTTTCAGC
 TGCTGGTGGCTGTGTGTTTCTTCTCCTACCTGCGTGTGTCCGAGACGATGCCACTGGATCCCTAGGCC
 AGGGCTTATGGCAGTGAACCTGTACCAGGGGCTCCCAATGGGTCCGCTGCCAGGACAGCATGGCGACC
 CCTGCCACCCACCCTACTGATCCTGCTGTGGACGTGGCCTTTAACACACCCCGTGGCTCTGCCCGCT
 GCTCAGAGATGGTGCCCGCGCGCCGACTGCAACATCACTGCCGACTCCAGTGTGTACCCACAGGCAGA
 CGCGGTACATCGTGCACTGGGATATCATGTACAACCCAGTGCCAACCTCCCGCCCCACCAGGCCG
 CAGGGGCAGCGCTGGATCTGTTTCAGCATGGAGTCCCCAGCAACTGCCGGCACCTGGAAGCCCTGGACG
 GATACTCAATCTCACCATGTCTACCGCAGCGACTCCGACATCTTACGCCCTACGGCTGGCTGGAGCC
 GTGGTCCGGCCAGCCTGCCACCCACCGCTCAACCTCTCGGCCAAGACCAGCTGGTGGCCTGGCGGGT
 TCCAAGTGAAGCCGACTCGGCCAGGGTGCCTACTACCAGAGCCTGCAGGCTCATCTCAAGGTGGACG
 TGTACGGACGCTCCACAAGCCCTGCCAAGGGGACCATGATGGAGACGCTGTCCCGGTACAAGTTCTA
 TCTGGCCTTCGAGAACTCCTTGACCCCGACTACATCACCGAGAAGCTGTGGAGGAACGCCCTGGAGGCC
 TGGGCCGTGCCCGTGGTGTGGGCCAGCAGAAAGCAACTACGAGAGGTTCTGCCACCCGACGCCCTTCA
 TCCAGTGGACGACTTCCAGAGCCCAAGGACCTGGCCCGTACCTGCAGGAGCTGGACAAGGACCACGC
 CCGCTACCTGAGTACTTCACTGGCGGGAGACGCTGCGGCCTCGCTCCTTCAGTGGGCACTGGCTTTC
 TGCAAGGCCTGCTGGAAGCTGCAGCAGGAATCTAGGTACCAGACGGTGCAGCATAGCGCTTGGTTTCA
 CC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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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_002034.2](#), [NP_002025.2](#)

RefSeq Size: 1988 bp

RefSeq ORF: 1125 bp

Locus ID: 2527

UniProt ID: [Q11128](#)

Cytogenetics: 19p13.3

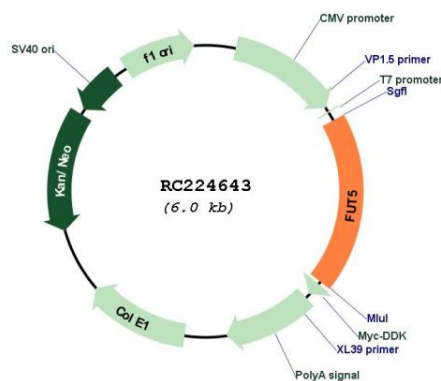
Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

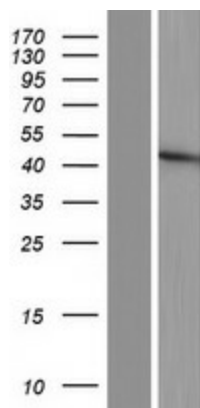
MW: 42.8 kDa

Gene Summary: May catalyze alpha-1,3 glycosidic linkages involved in the expression of VIM-2, Lewis X/SSEA-1 and sialyl Lewis X antigens.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224643



Western blot validation of overexpression lysate (Cat# [LY419575]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224643 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).