

Product datasheet for **RR208441**

Fut11 (NM_173308) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut11 (NM_173308) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut11
Synonyms:	MGC94472
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208441 representing NM_173308
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGCTCGCTACACCGAGGCGGTGTTGGCCGCCCTGGGGTGCTCAGTGTCTGTTCCGCCAGCAGCA
 GCTCCGGGTCTGGGCATCGGGGAAGCGGGTGGGGAGGCTGAGTGGCGGAGCCGTGGGATGGCGCGGT
 TTTCCGGCCGCCGGTGCATTAGGAGCCGTGGGGATGACGCGCGGGCTGGGATCACCGCCGCCGGGAAC
 GCAGAGACCGTGGACCTACCACTGTTGCTGTGGTGGAGTCCAGGCCTGTTCCGCACTTCCAGGTGACT
 CGGAGCGCATAGAGTGTGCGCTCGGCGCGTGCCTGGCGTCCCGGGATCGACGGGCGCGCGCCGACCCGCG
 GACGCGCGCATTGCTTTTTACGGCACAGACTTCCGCGCGGTGACGCACCCCTGCCGCGCTGGCGCAC
 CAGAGCTGGGCGCTCTGCACGAGGAGTCGCCACTCAACAATTCCTGCTGAGCCACGGCCCGGCATCC
 GCCTCTTCAATCTCACGGCCACCTTCAGCCGCCACTCGGACTATCCGCTGCCGTTGCACTGGCTGCCTGG
 GCGGCCCTATTTGCGCCGCCCGCACCTCCGCTCCGGGAGCGCGCGGAATGGCGTCGCCGCGGGTACGCG
 CCGCTGCTCTATTTGAGTCCCCTGCGACGTGCCTTCCGACCGGACCGCTACGTACCGGAGCTCATGC
 GCTACATCCCGGTGGATTCTATGGCAAGTGCCTGCAGAACCGCGAGCCGCCACCGTGCCTTACAGGA
 CACAGTACCGGCCACCAAGGATCCAGAATCATGGCTTTTTGTCCCGCTATAAGTTCCACTTGGCC
 ATGGAAAATGCCATCTGCAATGATTACATGACAGAAAACTGTGGCGCCCATGCATCTGGGTGCTGTGC
 CTGTGTATCGTGGATCACCTCTGTGAGGGACTGGATGCCAATAATCACTCCGTCATCCTAATTGATGA
 CTTTGAGTCCCTCAAAGTTGGCAGAGTTTATTGACTTTCTGGACAAAAACGATGAAGAGTATATGAAA
 TACCTGGCGTACAAGCAGCCTGGGGCATCACCAACAGTTTCTTCTGGATAACCTGGAGCACAGGGAGT
 GGGGAGTGAATGATCCCATGTTGCCCACTACCTCAATGGCTTTGAGTGTTCGTCTGTGACCATGAAT
 GGCTCGGCTGGATGCCGAGAAAGCACATGAATCCTCTCCTAGGGACATTCTGTCTTGAGCCTCACATT
 GCTCAGTTGTACACATGGACTGTCCAGTGCCTACCCCTGGCTTTGGAAAGTCGAAGAGATTCTGAGA
 ACGACAGCTGGAAGGAAATGTGGCTACAAGATTACTGGCAAGTCTCTATCAGGGGGAAGCTCTCACTGC
 CATGATCCACAACATGAGACACAGCAGAGCAAATTTGGGATTACGTACACGAGATCTTCATGAAAAGG
 AATAAAATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208441 representing NM_173308
 Red=Cloning site Green=Tags(s)

MAARYTEAVLAALGVLSVCSASSSSGSGASGKAGGEAEWAEPWDGAVFRPPAALGAVGMTRGLGSPPPGN
 AETVDLPVLLWSPGLFPHFPGDSERIECALGACVASRDRRARADPRTRALLFYGDFRAADAPLPRLAH
 QSWALLHEESPLNNFLLSHGPGIRLFNLATFSRHSYDPLPLQWLPGAAYLRRPAPPLRERAEEWRRRGYA
 PLLYLQSHCDVPSDRDRYVRELMRYIPVDSYGKCLQNREPPTVRLQDTATATTEDPELMAFLSRYKFHLA
 MENAICNDYMTEKLWRPMLGAVPVYRGSPSVRDWMPNNHVSILIDDFESPQKLAEIFDLKNDDEEYMK
 YLAYKQPGGITNQFLLDNLEHREWGVPMLPNYLNCFECFVCDHELARLDAEKAHESSPRDIPVLEPHI
 AQLSHMDCPVPTPGFGKVEEIPENDSWKEMWLQDYWQGLYQGEALTAMIHNNETQQSKFWDYVHEIFMKR
 NKNL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_173308

ORF Size: 1482 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_173308.2](#), [NP_775430.2](#)

RefSeq Size: 1534 bp

RefSeq ORF: 1485 bp

Locus ID: 286971

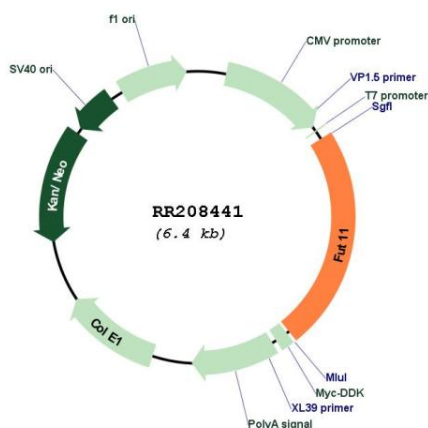
UniProt ID: [Q68FV3](#)

Cytogenetics: 15p16

MW: 56 kDa

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

Product images:



Circular map for RR208441