

Product datasheet for **RR213334**

Fut8 (NM_001002289) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut8 (NM_001002289) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213334 representing NM_001002289
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATCGGGCATGGACTGGTTCCTGGCGTTGGATTATGCTCATTCTTTTGCCTGGGGACCTGTGTGTTT
 ATATAGGTGGTCAATTTGGTTCGAGATAATGACCACCCTGATCACTCTAGCAGAGAACTCTCCAAGATTCT
 TGCAAAGCTTGAACGCTTAAAACAACAAAATGAAGACTTGAGGCGAATGGCTGAGTCTCTACGAATACCA
 GAAGGCCCATTTGACCAGGGGACGGCTACGGGAAGAGTCCGTGTTTTAGAAGAACAGCTTGTAAAGGCCA
 AAGAACAGATTGAAAATTAACAAGAAACAAGCCAGAAATGGTCTGGGAAGGATCATGAACTTAAAGGAG
 GAGGATTGAAAATGGAGCTAAAGAGCTCTGTTTTTTCTACAAAGTGAAGTGAAGAAATTAAGCATCTA
 GAAGGAAATGAAGTCCAAAGACATGCAGATGAAATTTCTTTGGATTTAGGACACCATGAAAGGTCTATCA
 TGACGGATCTATACTACCTCAGTCAAACAGATGGAGCAGGGGATTGGCGTAAAAAGAGGCCAAAGATCT
 GACAGAGCTGGTCCAGCGGAGAATAACTTATCTCCAGAATCCCAAGGACTGCAGCAAAGCCAGGAAGCTG
 GTGTGTAACATCAATAAGGGCTGTGGCTATGGTTGCCAACTCCATCACGTGGTCTACTGTTTCATGATTG
 CTTATGGCACCCAGCGAACACTCATCTTGAATCTCAGAATTGGCGCTATGCTACTGGTGGATGGGAGAC
 TGTGTTTAGACCTGTAAGTGAGACATGCACAGACAGATCTGGCCTCTCCACTGGACACTGGTCAGGTGAA
 GTGAATGACAAAAATATCAAGTGGTGGAGCTCCCCATTGTAGACAGCCTCCATCCTCGGCCCTCTTACT
 TACCACTGGCTGTTCCAGAAGACCTTGCAGATCGACTCGTAAGAGTCCATGGTGATCCTGCAGTGTGGTG
 GGTGTCCAGTTCGTCAAATATTTGATTCGTCCACAACCTTGGCTAGAAAAGGAAATAGAAGAAGCCACC
 AAGAAGCTTGGCTTCAAACATCCAGTCAATGGAGTCCATGTGAGACGACAGCAAAGTGGGAACAGAGG
 CAGCCTTCCATCCATCGAAGAGTACATGTTGAGTCCATGTGAGACGACAGCAAAGTGGGAACAGAGG
 GCAAGTGGATAAAAAAGAGTATATCTGGCTACCGATGACCCCTGCTTTGTTAAAGGAGGCAAAGACAAAG
 TACTCCAATTATGAATTTATTAGTGATAACTCTATTTCTTGGTCAAGTGGATTACACAATCGGTACACAG
 AAAATTCACTTCGGGGCGTGATCCTGGATATACACTTTCTCTCAGGCTGACTTCTAGTGTGACTTTT
 TTCATCCAGGTCTGTGGGTTGCTTATGAAATCATGCAAACCCTGCATCCTGATGCCTCTGCAAATTC
 CACTCTTTAGATGACATCTACTATTTGGAGGCCAAAATGCCACAACCAGATTGCCGTTTATCCTCACA
 AACCTCGAAGTATGAGGAAATCCAATGGAACCTGGAGATATCATTGGTGTGGCTGAAACCATTGGGA
 TGGTTATTCTAAAGGTGTCAACAGAAAACCTGGAAAAACAGGCTTATATCCCTCTACAAAGTCCGAGAG
 AAGATAGAAACAGTCAAGTATCCACATATCCTGAAGCTGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213334 representing NM_001002289
 Red=Cloning site Green=Tags(s)

MRAWTGSWRWIMLILFAWGTLIFYIGGHLVRDNDHPDHSSRELKILAKLERLKQQNEDLRRMAESLRIP
 EGPIDQGTATGRVRLVLEEQLVKAKEQIENYKKQARNGLGKDHELLRRRIENGAKELWFFLQSELKKLHL
 EGNELQRHADEILLDLGHHERSIMTDLYYLSQTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKARKL
 VCNINKGCGYGCQLHHVVYCFMIA YGTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGLSTGHWSGE
 VNDKNIQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVAVVWVSQFVKYLIRPQPWLEKEIEEAT
 KKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLARRMQVDKRVYLATDDPALLKEAKTK
 YSNYEFISDNSISWSAGLHNRYTENSRLGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANF
 HSLDDIYYFGGQNAHNQIAVYPHKPRTDEEIPMEPGDIIGVAGNHWGYSKGVNRKLGKTLGYPYKRVRE
 KIETVKYPTYPEAEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001002289

ORF Size: 1725 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_001002289.1](#), [NP_001002289.1](#)

RefSeq Size: 1728 bp

RefSeq ORF: 1728 bp

Locus ID: 432392

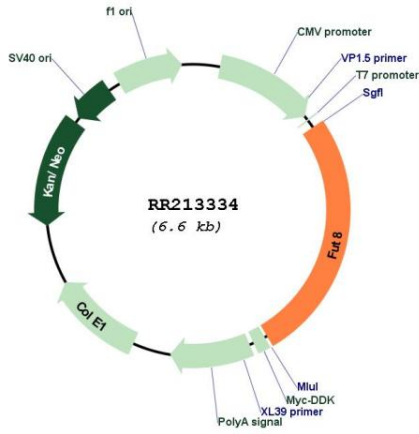
UniProt ID: [Q6EV76](#)

Cytogenetics: 6q24

MW: 66.5 kDa

Gene Summary: may have fucosyltransferase activity [RGD, Feb 2006]

Product images:



Circular map for RR213334