

## Product datasheet for **RR206101**

### **Fut7 (NM\_199491) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fut7 (NM\_199491) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fut7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206101 representing NM\_199491  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTCAAGGGTGCCTCTGTTGGAGAGGCTGCTGTGATTTGAAAACCTCCTTTCCCTGGGTGACTAATT  
CCAGAAGGCTCTGGATGAATTGTATTGGTGCAACCCCGTCTGGAGGCTGCGGGCTGGGGTGTCTGGC  
TGGAGGTACAACACTCATGGTAATCTGGCTCTTCTGGCTGCGATCAGTTCCTGGGGTGCCACGCG  
CCCCAGCCACACTCACCATCCTTATCTGGCACTGGCCTTTCACCAACCGGTGCGCAGAGCTGTCTAGCG  
ACACCTGCACTCGCTATGGCATGGCCAGCTGCCACCTGAGTGCTAACCGAGTCTGCTAGCCAGTGTGA  
TGCTGTGGTCTTCCACCATCGTGAGCTGCAGACCCGGCACTCTCGCTGCCCTGGACCAGAGGCCGCAC  
GGACAGCCTTGGGTCTGGGCCACCATGGAATCACCCAGTAATACCCATGGTCTCCGTCACTTCCGGGGCA  
TCTTCAACTGGGTGCTGAGCTATCGGCGTGATTCAGATATCTTTGTACCCTATGGTCGTTAGAGCCCTT  
CTCTGGGCTACGCCCCACTACCAGCCAAAAGCAGGATGGCTGCCTGGGTGGTCAGCAATTTCCAGGAG  
CGGCAGCAGCGGGCAAAGCTGTACCGGCAGCTGGCCCCATCTGAAGGTGGATGTGTTCCGGTCGCGCCA  
GTGGACGGCCCCGTGCCCTAACTGTCTGCTGCCCACTGTGGCCCGGTACCGCTTCTACCTGTCTTTGA  
GAACTCACAGCACCGGGACTACATCACCGAGAAGTTCTGGCGCAATGCACTGGCCGCTGGCGCTGTGCC  
GTGGTGTGGGACCTCCTCGGACTACCTACGAGGCTTTCGTGCCACCAGATGCCTTTATACAGTAGATG  
ACTTCAGCTCTGCCCGTGAAGTGTCTTCTTGTGTCAGCATGAATGAGAGTCGCTATCGTGGCTTCTT  
TGCTTGGCGAGACCGGCTCCGTGTGCGGCTCCTGAATGACTGGAGGGAGCGCTTCTGCACCATCTGCGCC  
CGCTACCTTACTTGCCCCGAGCCAGGTCTATGAAGACCTGAAAGCTGGTTCCAAGCT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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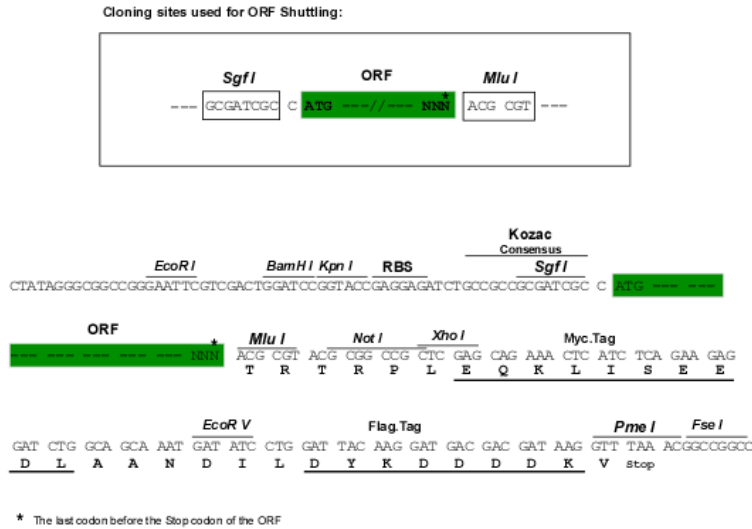
**Protein Sequence:** >RR206101 representing NM\_199491  
Red=Cloning site Green=Tags(s)

MVQGCLCWRGCCDLKTSFPWVTNSRRLWMNCIGCNPVWRLRAWGCLAGGTTLMVIWLFWLLRSVPGGAPA  
 PQPTLTILIIHWPFTNRSPELSSDTCTRYGMASCHLSANRSLASADAVVFHHRELQTRHSRLPLDQRPH  
 GQPWWATMESPSNTHGLRHFRGIFNWVLSYRRDSDIFVPYGRLEPFSGPTPPLPAKSRMAAVVSNFQE  
 RQQRAKLYRQLAPHLKVDVFGRASGRPLCPNCLLPTVARYRFYLSFENSQHRDYITEKFWRNALAGAVP  
 VVLGPPRTTYEAFVPPDAFIHVDDFSSARELAVFLVSMNESRYRGFFAWRDRLRVLLNDWRERFCTICA  
 RYPYLPRSQVYEDLESWFQA

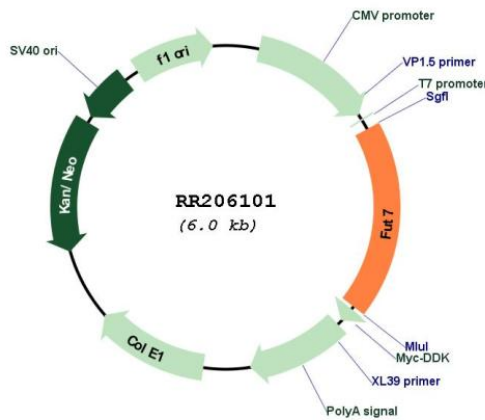
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_199491

<b>ORF Size:</b>	1110 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199491.1</a> , <a href="#">NP_955785.1</a>
<b>RefSeq Size:</b>	2092 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	296564
<b>UniProt ID:</b>	<a href="#">Q712G6</a>
<b>Cytogenetics:</b>	3p13
<b>MW:</b>	43 kDa
<b>Gene Summary:</b>	mouse homolog is an alpha(1,3)fucosyltransferase; may have a role in E- and P-selectin ligand expression in leukocytes [RGD, Feb 2006]