

## Product datasheet for **RR201240**

### **Gtf3c5 (NM\_001079941) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gtf3c5 (NM_001079941) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf3c5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201240 representing NM\_001079941  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCGGTGGAGTCGGATGCGGACCCGAAGGCCGCCATCCCTGTGGACCTGCGGCGAGAACGGCGAC  
 TGGTGTGCGTGGAGTACCCGGGCGTGGTCAAAACGAAGATAAGATGCTACAGACTCTGGGCGCGAGGA  
 AGGCGTCTCTCGAATCTACACTGACCCACCAAGAGGCTGGAGCTCTACTTCCGGCCCAAGGACCATAC  
 TGCCATCCAGTGTGTGCTAACCGCTTCACTACCAGTAGCCTGCTGCTCCGAGTCCGAAAAGAACAAGGC  
 GTCGCAGAGGTGTCCGGGAGACGAGGCCACCCACAGTACGTTTCGATCTGAAATCCTTGGCACCAT  
 CTCCACAATTTACAAATCCAGGGAATGTCTGACTTCCAGTACTTGGCAGTGCACACAGAGACTGACGGC  
 ACGCACGTGTCCATGTACGACAGAGTGTCTATGCGCAAGCCTGAGAAGGAGGAGTTCTTCCATCAGGAGC  
 TGCCACTCTACATCCCCCGCCATCTTCTCCAGGCTGGACACCCCGTGGACTATTTCTATCGCCCTGA  
 GACACAGCACCGAGAAGGCTATCACAATCCCTCCATCTCAGGAGAGAACCTGATTGGACTGAGTAGGCC  
 CGGCGCCCTCACAAATGCCATCTTTGTCAACTTTGAGGACTGAAGTCCCTGAACAGCCGTTGGAGGCTG  
 CAGTGCAGACGTGGAAGAAGCCTGCACCAACCCATCGATCAGAAGGTGGAGGAGGAGCTGAGGAGCT  
 CTTTGACATCCGTCCTATCTGGTACGAAATGCTGTCAAGTCTAACGTCAGTGTCCATCCTGACAAGCTT  
 AAGATCTTGCTTCCCTATATGGCTTATTACATGATAACAGGCCATGGAGAAGCTTGTGGATTGATTTG  
 GCTATGACCTCGTAAGCACCCAGATGCCAAGATTTATCAAGTCTTGACTTTCGAATCCGTTGTGGAA  
 GAAATATGGATATGGCTCCAGGGACATGCCCGTCAAAGCGAAGCGCAGCACATACTACAGCCTCCCC  
 ATCACCGTCAAGAAGACCCAGCCAACCTGTCAACATGATGACCTGAAGCAGGGTCTGGGCCCATCAG  
 GAAGCGATGGCCACGGAACTGACCTACAATAAGTACAAGCTCAAGGATTCGGTCTACATCTTCCGGGA  
 AGGGGCTCTGCCACCCTATCGACAGATGTTCTACCAGCTGTGATTTGAATGTGGAAGAGTTACAGAAA  
 ATTGTTACCCGAATGATGGGACAGAGTGTATGCACAGAGAAAGATGGGTGGTGCCTCCCAAGACCA  
 CAGACCCTGAGAGACTATGTCACTCATGATTCTACAGACCATCCGCTCTGAGAGGCTGCTCTGTT  
 CTCCAACACAGGTAAGGCTGATCATGGGAAAGAGCAGCTGATGTTTGAATCTGGAGAGGAGGAGGAGG  
 GAGGAAGAAGAGGAGGAGTTCAAGCCCTCAGATGGGAGTGAAGATGAGATGGAACAGAGATTCTGGATT  
 ACGTG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201240 representing NM\_001079941  
 Red=Cloning site Green=Tags(s)

MEAVESDADPKAAIPVDLRRRRLVCVEYPGVVQNEKMLQTLGGEEGVSRIYTDPTKRLELYFRPKDPY  
 CHPVCANRFSTSSLLLRVRKRTRRRRGVPGDEAHPHVTFDLEILGTISTYKFGMSDFQYLAVHTETDG  
 THVSMYDRVLMRKEKEEFFHQELPLYIPPIFSRLDTPVDYFYRPETQHREGYHNPSISGENLIGLSRA  
 RRPHNIAIFVNFEDTEVPEQPLEAAVQTWKACTNPIDQKVEELRKLDIRPIWSRNAVKSNSVSHPKL  
 KILLPYMAYYMITGPWRLWIRFGYDPRKHPDAKIYQVLDLFRIRCGMKYGYGSRDMPVKAKRSTYNSLP  
 ITVKKTPSQPVTMHLKQGLGPSGSDGPRKLTYNKYKLDKSVYIFREGALPPYRQMFYQLCDLNVEELQK  
 IVHRNDGTESVCTEKDGWCLPKTTDHLRDTMSLMILQTIKRSERPALFSNTGKADHGKEQLMFESEEEEE  
 EEEEEEFKPSDGSSEMETEILDYV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

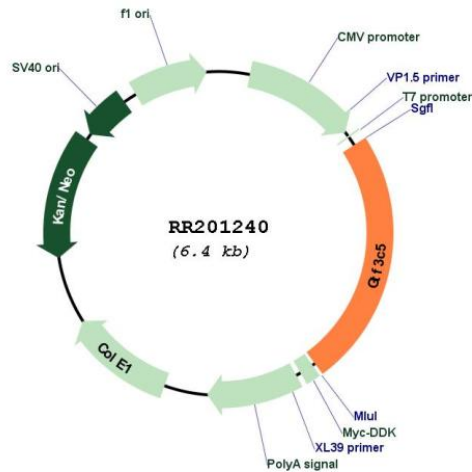
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001079941

**ORF Size:** 1545 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\\_001079941.1](#), [NP\\_001073410.1](#)

**RefSeq Size:** 2751 bp

**RefSeq ORF:** 1548 bp

**Locus ID:** 362095

**Cytogenetics:** 3p12

**MW:** 59.9 kDa