

## Product datasheet for **MR208252**

### **Gtf3c5 (NM\_148928) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gtf3c5 (NM_148928) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf3c5
Synonyms:	2700084A09Rik; TFiiiC2-63; TFIIIC63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208252 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCGGAGCCGGATGCGGACCCGAAGGCCGCCATCCCTGTGGACCTGCGGCGGGAACGGCGCT  
 TGGTGTGCGTGGAGTACCGGGCGTAGTACGTAACGAGGCCAAGATGCTACAGACCCTGGGCGGCGAGGA  
 AAGCGTCTCTCGAATCTACACTGACCCTACCAAGAGGCTCGAACTCTACTTCCGGCCCAAGGACCATAC  
 TGCCACCCTGTGTGCTAACCGTTTCACTACCAGCAGCCTGCTGCTCCGGATCCGAAAAGAACAAGGC  
 GTCGGAGAGGTGCTCTGGGAGACGAGGCCACCCCAAGTACGTTCACTTGGAGATCATTGGCATCAT  
 CTCCACAATTTACAAATCCAGGGAATGTCTGACTTCCAGTACTTGGCAGTGCACACAGAAGCTGGTGGC  
 AAGCATGTTTCCATGTATGACAGAGTGTCTATGCGCAAGCCTGAGAAGGAGGAGTTCTTCCATCAGGAGC  
 TACCCTCTACATCCCCCACCCTCTTCTCCAGGCTGGACCCCTGTGGACTATTTCTATCGCCCTGA  
 GACACAGCACCGAGAAGGCTATCATAATCCCACCCTCTCAGGGGAGAACCTGATTGGACTGAGTAGAGCC  
 CGGCGCCCCACAACGCCATCTTTGTCACTTTGAGGACTGAGGTTCCCTGAACAGCCTTTGGAGGCTG  
 CAGTCCAGACATGGAAGAAGGCCTGCACCAATCCCATAGATCAGAAGGTGGAAGAGGAGCTGAGGAAGCT  
 CTTTGACATCCGTCTGTTTGGTACGAAATGCTGTCAAGTCTAACGTCAGTGTCCATCCTGACAAGCTT  
 AAGATCTTGCTCCCTATATGGCTTATTACATGATAACAGGCCGTGGAGAAGCTTGTGGATTCCGATTTG  
 GCTATGACCCTCGAAAACACCCAGATGCCAAGATTTATCAAGTCTTGATTTTCGAATCCGCTGTGGAA  
 GAAATACGGTTATGGCTCCAGGGACATGCCTGTTAAAGCGAAGCGTAGCACGTACAACACAGCCTGCC  
 ATCACCGTCAAGAAGACATCCAACAGCCTGGCACCATGCATGACCTGAAGCAGGGCCTGGGCCATCAG  
 GAACTGATGGCCACGGAAATTTGACCTACAATAAATAACAACCTCAAGGATTCGGTCTACATCTTCCGGGA  
 AGGGGCTCTGCCACCCTATCGACAGATGTTCTACCAGCTGTGATTTGAATGTGGAGGAGTTTCAGAAAA  
 ATTGTTACCCGAAACGATGGGACAGAGACTGTGTGCACAGAGAGAGATGGGTGGTGCCTCCCAAGACCA  
 CAGATCACCTGAGAGACACCATGTCACTCATGATTCTACAGACCATCCGCTCTGAGAGGCCCTGGTAAAGC  
 TGATCGTGGAAAAGAGCAGCTGATGTTTGAATCTGGAGAGGAAGAGGAGGAGGAGGAAGAGGAGGAA  
 GAGGAGGAGGAGGATTTCAAGCCCTCAGATGGGAGCGAGAATGAGATGGAGACAGAGATTCTGGATTACG  
 TG

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208252 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAAEPDADPKAAIPVDLRRERRLVCVEYPGVVRNEAKMLQTLGGEEVSRIYDPTKRLLEYFRPKDPY  
 CHPVCANRFSTSSLLLRIRKRTRRRRGVLGDEAHPQVTFNLEIIGIISTYKFGMSDFQYLAVHTEAGG  
 KHVSMYDRVLMRKPEKEEFFHQELPLYIPPPIFSRLDTPVDYFYRPETQHREGYHNPTISGENLIGLSRA  
 RRPHNIAIFVNFEDTEVPEQPLEAAVQTWKACTNPIDQKVEEELRKLFDIRPVWSRNAVKSNSVSHPKL  
 KILLPYMAYYMITGPWRSWLWIRFGYDPRKHPDAKIYQVLDLFRIRCGMKYGYGSRDMPVKAKRSTYNYSLP  
 ITVKKTSNQPGTMHDLKQGLGPSGTDGPRKLTYNKYKLDKSVYIFREGALPPYRQMFYQLCDLNVEELQK  
 IVHRNDGTETVCTERDGWCLPKTTDHLRDTMSLMILQTIRESRPGKADRGKEQLMFESGEEEEEEEEEE  
 EEEEDFKPSDGSSEMETEILDYV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

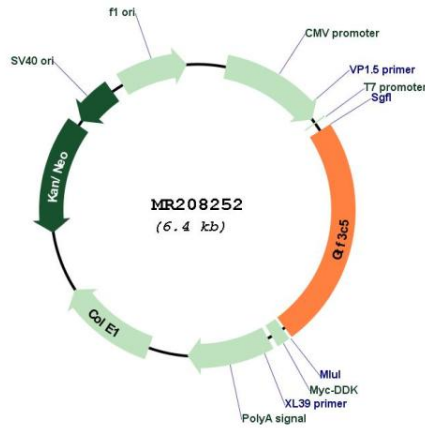

- ACCN:** NM\_148928
- ORF Size:** 1545 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each 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\\_148928.3](#)
- RefSeq Size:** 2805 bp
- RefSeq ORF:** 1545 bp
- Locus ID:** 70239
- UniProt ID:** [Q8R2T8](#)

**Cytogenetics:** 2 A3

**MW:** 59.9 kDa

**Gene Summary:** Involved in RNA polymerase III-mediated transcription. Integral, tightly associated component of the DNA-binding TFIIIC2 subcomplex that directly binds tRNA and virus-associated RNA promoters (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208252