

Product datasheet for **MR230351**

Gtf3c5 (NM_001290484) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3c5 (NM_001290484) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf3c5
Synonyms:	2700084A09Rik; TFiiiC2-63; TFIIIC63
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230351 representing NM_001290484
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGGAGCCGGATGCGGACCCGAAGGCCGCCATCCCTGTGGACCTGCGGCGGGAACGGCGCT
 TGGTGTGCGTGGAGTACCCGGGCGTAGTACGTAACGAGGCCAAGATGCTACAGACCCTGGGCGGCGAGGA
 AAGCGTCTCTCGAATCTACACTGACCCTACCAAGAGGCTCGAACTCTACTTCCGGCCCAAGGACCATAC
 TGCCACCCTGTGTGCTAACCGTTTCACTACCAGCAGCCTGCTGCTCCGGATCCGAAAAGAACAAGGC
 GTCGGAGAGGTGCTCTGGGAGACGAGGCCACCCCAAGTACGTTCACTTGGAGATCATTGGCATCAT
 CTCCACAATTTACAAATCCAGGAATGTCTGACTTCCAGTACTTGGCAGTGCACACAGAAGCTGGTGGC
 AAGCATGTTTCCATGTATGACAGAGTGTCTATGCGCAAGCCTGAGAAGGAGGAGTTCTTCCATCAGGAGC
 TACCCTCTACATCCCCCACCATCTTCTCCAGGCTGGACCCCTGTGGACTATTTCTATCGCCCTGA
 GACACAGCACCGAGAAGGCTATCATAATCCCACCATCTCAGGGGAGAACCTGATTGGACTGAGTAGAGCC
 CGGCGCCCCACAACGCCATCTTTGTCACTTTGAGGACTGAGGTTCCCTGAACAGCCTTTGGAGGCTG
 CAGTCCAGACATGGAAGAAGGCCTGCACCAATCCCATAGATCAGAAGGTGGAAGAGGAGCTGAGGAAGCT
 CTTTGACATCCGTCTGTTTGGTACGAAATGCTGTCAAGTCTAACGTCAGTGTCCATCCTGACAAGCTT
 AAGATCTTGCTCCCTATATGGCTTATTACATGATAACAGGCCGTGGAGAAGCTTGTGGATTCCGATTTG
 GCTATGACCCTCGAAAACACCCAGATGCCAAGATTTATCAAGTCTTGATTTTTCGAATCCGCTGTGGAA
 GAAATACGGTTATGGCTCCAGGGACATGCCTGTTAAAGCGAAGCGTAGCACGTACAACACAGCCTGCC
 ATCACCGTCAAGAAGACATCCAACAGCCTGGCACCATGCATGACCTGAAGCAGGGCCTGGGCCATCAG
 GAAGTGTGGCCACGGAAATGACCTACAATAAATAACAACCAAGGATTCGGTCTACATCTTCCGGGA
 AGGGGCTCTGCCACCCTATCGACAGATGTTCTACCAGCTGTGATTTGAATGTGGAGGAGTTTCAGAAA
 ATTGTTACCCGAAACGATGGGACAGAGACTGTGTGCACAGAGAGAGATGGGTGGTGCCTCCCAAGACCA
 CAGATCACCTGAGAGACACCATGTCACTCATGATTCTACAGACCATCCGCTCTGAGAGGCCTGCTTTTT
 CTCCAACACAGGTAAGGCTGATCGTGGGAAAGAGCAGCTGATGTTTGAATCTGGAGAGGAAGAGGAGGAG
 GAGGAGGAAGAGGAGGAAGAGGAGGAGGAGGATTTCAAGCCCTCAGATGGGAGCGAGAATGAGATGGAGA
 CAGAGATTCTGGATTACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230351 representing NM_001290484
 Red=Cloning site Green=Tags(s)

MAAAEPDADPKAAIPVDLRRERRLVCVEYPGVVRNEAKMLQTLGGEEVSRSRIYTDPTKRLELYFRPKDPY
 CHPVCANRFSTSSLLLRIRKTRRRRRGVLGDEAHPQVTFNLEIIGIISTYKFGMSDFQYLAVHTEAGG
 KHVSMYDRVLMRKPEKEEFFHQELPLYIPPIFSRLDTPVDYFYRPETQHREGYHNPTISGENLIGLSRA
 RRPHNAIFVNFEDTEVPEQPLEAAVQTWKKACTIONPIDQKVEEELRKLFDIRPVWSRNAVKSNSVHPDKL
 KILLPYMAYYMITGPWRSLWIRFGYDPRKHPDAKIYQVLDFRIRCGMKYGYGSRDMPVKAKRSTYNSLP
 ITVKKTSNQPGTMHDLKQGLGPSGTDGPRKLTYNKYKLDKSVYIFREGALPPYRQMFYQLCDLNVEELQK
 IVHRNDGTETVCTERDGLPKTTDHLRDTMSLMILQIRSERPALFSNTGKADRKEQLMFESGEEEEEE
 EEEEEEEEEEDFKPSDGSSENEMETEILDYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

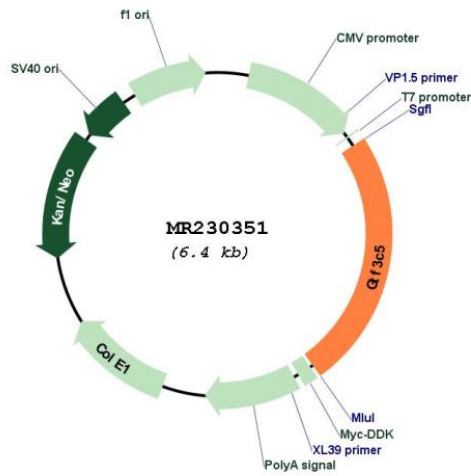
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001290484
ORF Size:	1560 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:	<ol style="list-style-type: none">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_001290484.1 , NP_001277413.1
RefSeq Size:	2823 bp
RefSeq ORF:	1563 bp
Locus ID:	70239
UniProt ID:	Q8R2T8
Cytogenetics:	2 A3
MW:	61 kDa
Gene Summary:	Involved in RNA polymerase III-mediated transcription. Integral, tightly associated component of the DNA-binding TFIIC2 subcomplex that directly binds tRNA and virus-associated RNA promoters (By similarity).[UniProtKB/Swiss-Prot Function]