

Product datasheet for **MG208252**

Gtf3c5 (NM_148928) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3c5 (NM_148928) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gtf3c5
Synonyms:	2700084A09Rik; TFiiiC2-63; TFIIIC63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208252 representing NM_148928
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGCGGAGCCGGATGCGGACCCGAAGGCCGCCATCCCTGTGGACCTGCGGCGGGAACGGCGCT
 TGGTGTGCGTGGAGTACCGGGCGTAGTACGTAACGAGGCCAAGATGCTACAGACCTGGCGGCGAGGA
 AAGCGTCTCTCGAATCTACACTGACCTACCAAGAGGCTCGAACTCTACTTCCGGCCCAAGGACCCATAC
 TGCCACCCCTGTGTGCTAACCGTTTCAGTACCAGCAGCCTGCTGCTCCGGATCCGAAAAGAACAAGGC
 GTCGGAGAGGTGCTCTGGGAGACGAGGCCACCCCAAGTCACGTTCACTTGGAGATCATTGGCATCAT
 CTCCACAATTTACAAATTCAGGGAATGTCTGACTTCCAGTACTTGGCAGTGCACACAGAAGCTGGTGGC
 AAGCATGTTTCCATGTATGACAGAGTGTCTATGCGCAAGCCTGAGAAGGAGGAGTTCTTCCATCAGGAGC
 TACCCTCTACATCCCCCACCATCTTCTCCAGGCTGGACCCCTGTGGACTATTTCTATCGCCCTGA
 GACACAGCACCGAGAAGGCTATCATAATCCCACCATCTCAGGGGAGAACCTGATTGGACTGAGTAGAGCC
 CGGCGCCCCACAACGCCATCTTTGTCACTTTGAGGACACTGAGGTTCCGAAACAGCCTTTGGAGGCTG
 CAGTCCAGACATGGAAGAAGGCCTGCACCAATCCCATAGATCAGAAGGTGGAAGAGGAGCTGAGGAAGCT
 CTTTGACATCCGTCTGTTGGTACGAAATGCTGTCAAGTCTAACGTCAGTGTCCATCCTGACAAGCTT
 AAGATCTTGCTCCCTATATGGCTTATTACATGATAACAGGCCGTGGAGAAGCTTGTGGATTCCGATTTG
 GCTATGACCCTCGAAAACACCCAGATGCCAAGATTTATCAAGTCCTTGATTTTCGAATCCGCTGTGGAA
 GAAATACGGTTATGGCTCCAGGGACATGCCTGTTAAAGCGAAGCGTAGCACGTAACAACACAGCTGCC
 ATCACCGTCAAGAAGACATCCAACCAGCCTGGCACCATGCATGACCTGAAGCAGGGCCTGGGCCCATCAG
 GAAGTGTGGCCACGGAATTTGACCTACAATAAATAACAACCAAGGATTCGGTCTACATCTTCCGGGA
 AGGGGCTCTGCCACCCTATCGACAGATGTTCTACCAGCTGTGATTTGAATGTGGAGGAGTTGCAGAAA
 ATTGTTACCGAAACGATGGGACAGAGACTGTGTGCACAGAGAGAGATGGGTGGTGCCTCCCAAGACCA
 CAGATCACCTGAGAGACACCATGTCACTCATGATTCTACAGACCATCCGCTCTGAGAGGCCTGGTAAAGC
 TGATCGTGGGAAAGAGCAGCTGATGTTTGAATCTGGAGAGGAAGAGGAGGAGGAGGAAGAGGAGGAA
 GAGGAGGAGGAGGATTTCAAGCCCTCAGATGGGAGCGAGAATGAGATGGAGACAGAGATTCTGGATTACG
 TG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208252 representing NM_148928
 Red=Cloning site Green=Tags(s)

MAAAEPDADPKAAIPVDLRRERRLVCVEYPGVVRNEAKMLQTLGGEEVSRSRIYDPTKRLELYFRPKDPY
 CHPVCANRFSTSSLLLRIRKRRRRRGVLGDEAHPQVTFNLEIIGIISTYKFGMSDFQYLAVHTEAGG
 KHVSMYDRVLMRKPEKEEFFHQELPLYIPPPIFSRLDTPVDYFYRPETQHREGYHNPTISGENLIGLSRA
 RRPHNAIFVNFEDTEVPEQPLEAAVQTWKACTNPIDQKVEEELRKLFDIRPVWSRNAVKNVSVHPDKL
 KILLPYMAYYMITGPWRSLWIRFGYDPRKHPDAKIYQVLDLFRIRCGMKYGYGSRDMPVKAKRSTYNYSLP
 ITVKKTSNQPGTMHDLKQGLGPGSGTDGPRKLTYNKYKLDVYIFREGALPPYRQMFYQLCDLNVEELQK
 IVHRNDGTETVCTERDGWCLPKTTDHLRDTMSLMILQTIIRSERPGKADRGKEQLMFESEEEEEEEEEEE
 EEEEDFKPSDGSSEMETEILDYV

TRTRPLE – GFP Tag – V

Restriction Sites:

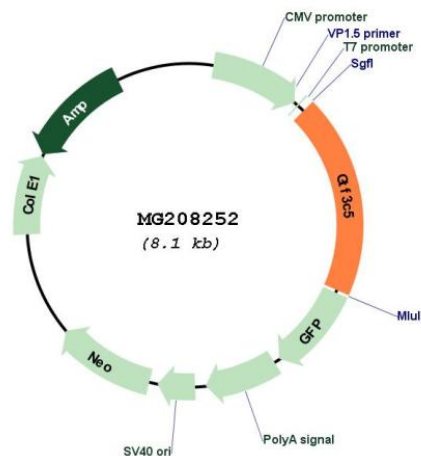
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_148928
ORF Size:	1542 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_148928.3
RefSeq Size:	2787 bp
RefSeq ORF:	1545 bp
Locus ID:	70239
UniProt ID:	Q8R2T8
Cytogenetics:	2 A3
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]