

Product datasheet for **RG203953**

GTF3C5 (NM_012087) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF3C5 (NM_012087) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GTF3C5
Synonyms:	TFiiiC2-63; TFIIIC63; TFIIICepsilon
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203953 representing NM_012087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGAGGCGGCCGATTTGGGGCTGGGGCCGCCGTCCCGTGGAGCTGAGGCGGGAGCGACGCA
 TGGTGTGCGTGGAGTACCGGGAGTGGTGCCTGATGTGGCTAAGATGCTGCCGACTCTGGCGCGGAGGA
 AGGCGTCTCCCGATCTACGCAGACCCACCAAGAGGCTGGAGCTGTACTTCCGGCCCAAGGACCCATAC
 TGCCACCCAGTGTGCGCCAACCGCTTCACTACCAGCAGCCTGCTGCTCCGCATCAGGAAGAGAACGAGGC
 GGCAGAAAGGGTGTGGGCACTGAGGCCACTCCGAGGTACATTTGACATGGAGATCCTTGGCATCAT
 CTCCACCATTTACAAATTTAGGGGATGTCTGACTTCCAGTACTTGGCTGTGCATACGGAAGCAGGCGGC
 AAGCATACGTCAATGTATGACAAGGTGCTCATGCTCCGGCCGAGAAGGAGGCCTTTTTCCACCAGGAGC
 TGCCGCTCTACATCCCCCACCATCTTCTCCCGCTGGACGCCCGGTGGACTACTTCTACCGACCAGA
 GACCCAGCACCGGAAGGCTACAACAATCCCCCATCTCAGGTGAGAATCTGATTGGCCTGAGCAGAGCC
 CGGCGCCCCACAATGCCATCTTTGTCAACTTTGAGGATGAGGAGGTGCCAAGCAGCCACTGGAGGCTG
 CAGCCCAGACGTGGAGGAGACTGCACTAACCCCGTGGACCGGAAGGTGGAGGAGGAGCTGAGGAAGCT
 GTTTGACATCCGTCCCATCTGGTCCCGAAATGCTGTCAAGGCCAACATCAGCGTCCACCCAGACAAGCTC
 AAGGTCTTGCTTCCCTTCATAGCCTATTACATGATAACAGGCCCTGGCGCAGCCTATGGATTGCGATTTG
 GGTATGACCCCGAAAAAACCCAGATGCCAAGATTTATCAAGTCTCGATTTCCGAATCCGTTGTGGAAT
 GAAACACGGTTACGCCCCAGTACTTCCCGGTCAAAGCAAAGCGCAGCACCTACAACACAGCCTCCCC
 ATCACCGTCAAGAAGACATCCAGCCAGCTTGCACCATGCATGACCTGAAGCAGGGCCTGGGCCCGTCCG
 GGACGAGTGGTGTCTCGGAAACCAGCTTCCAGCAAGTACAAGCTCAAGGACTCTGTCTACATCTTCCGGGA
 AGGGGCCTTGCCACCCTATCGGCAGATGTTCTACCAGTTATGCGACTTGAATGTGGAAGAGTTGCAGAAG
 ATCATTACCCGAATGACGGGGCAGAGAATTCCTGCACAGAACGGGATGGGTGGTGCCTCCCAAGACCA
 CGCAGCAGCTCAGGGACACCATGTCCCTCATGATCCGGCAGACCATCCGCTCCAAGAGGCCTGCTCTCTT
 TTCCAGCTCAGCCAAGGCTGATGGCGGAAAAGAGCAGCTGACGTACGAGTCTGGGGAAGACGAGGAGGAT
 GAGGAGGAGGAGGAGGAGGAGGAGGACTTCAAGCCATCCGACGGCAGTGA AACGAAATGGAGACAG
 AGATTCTGGACTACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203953 representing NM_012087
 Red=Cloning site Green=Tags(s)

MAAEAADLGLGAAVPVELRRERRMVCVEYPGVVRDVAKMLPTLGEEGVSR IYADPTKRLELYFRPKDPY
 CHPVCANRFSTSSLLLRIRKRRRQKGLGTEAHSEVTFDMEILGIIST IYKFQMSDFQYLAVHTEAGG
 KHTSMYDKVLMRLPEKEAFFHQELPLYIPPPIFSRLDAPVDYFYRPETQHREGYNNPPISGENLIGLSRA
 RRPHNAI FVNFEDEEVPKQPLEAAAQTWRRVCTNPVDRKVEEELRKLFDIRPIWSRNAVKANISVHPDKL
 KVLLPFIAYYMITGPWRSLWIRFGYDPRKNPDAKIYQVLD FRIRCGMKHGYAPSDLPVKAKRSTYNYSLP
 ITVKKTSSQLVTMHDLKQGLGPGSTSGARKPASSKYKLD SVYIFREGALPPYRQMFYQLCDLNVEELQK
 I IHRNDGAENSC TERDGWCLPKTSDEL RDTMSLMIRQTI RSKRPALFSSSAKADGGKEQLTYESGEDEED
 EEEEEEEEDFKPSDGS ENEMETEILDYV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012087

ORF Size: 1557 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_012087.4](#)

RefSeq Size: 2385 bp

RefSeq ORF: 1560 bp

Locus ID: 9328

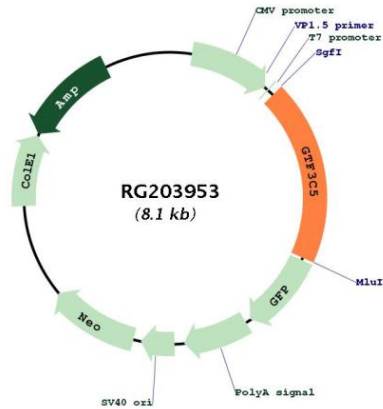
UniProt ID: [Q9Y5Q8](#)

Cytogenetics: 9q34.13

Protein Families: Transcription Factors

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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203953