

Product datasheet for **RG225900**

GTF3C5 (NM_001122823) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF3C5 (NM_001122823) 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:

>RG225900 representing NM_001122823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGAGGCGGCCGATTTGGGGCTGGGGCGCCGTCCTCCCGTGGAGCTGAGGCGGGAGCGACGCA
 TGGTGTGCGTGGAGTACCGGGAGTGGTGCCTGATGTGGCTAAGATGCTGCCGACTCTGGCGCGGAGGA
 AGGCGTCTCCCGATCTACGCAGACCCACCAAGAGGCTGGAGCTGTACTTCCGGCCCAAGGACCCATAC
 TGCCACCCAGTGTGCGCCAACCGCTTCACTACCAGCAGCCTGCTGCTCCGCATCAGGAAGAGAACGAGGC
 GGCAGAAAGGGTGTGGGCACTGAGGCCACTCCGAGGTACATTTGACATGGAGATCCTTGGCATCAT
 CTCCACCATTTACAAATTTAGGGGATGTCTGACTTCCAGTACTTGGCTGTGCATACGGAAGCAGGCGGC
 AAGCATACGTCAATGTATGACAAGGTGCTCATGCTCCGGCCGAGAAGGAGGCCTTTTTCCACCAGGAGC
 TGCCGCTCTACATCCCCCACCATCTTCTCCCGCTGGACGCCCGGTGGACTACTTCTACCGACCAGA
 GACCCAGCACCGGAAGGCTACAACAATCCCCCATCTCAGGTGAGAATCTGATTGCCTGAGCAGAGCC
 CGGCGCCCCACAATGCCATCTTTGTCAACTTTGAGGATGAGGAGGTGCCAAGCAGCCACTGGAGGCTG
 CAGCCCAGACGTGGAGGAGAGTCTGCACTAACCCCGTGGACCGGAAGGTGGAGGAGGAGCTGAGGAAGCT
 GTTTGACATCCGTCCTATCTGGTCCCGAAATGCTGTCAAGGCCAACATCAGCGTCCACCCAGACAAGCTC
 AAGGTCTTGCTTCCCTTCATAGCCTATTACATGATAACAGGCCCTGGCGCAGCCTATGGATTGCGATTTG
 GGTATGACCCCGAAAAAACCCAGATGCCAAGATTTATCAAGTCTCGATTTCCGAATCCGTTGTGGAAT
 GAAACACGGTTACGCCCCAGTACTTCCCGGTCAAAGCAAAGCGCAGCACCTACAACACAGCCTCCCC
 ATCACCGTCAAGAAGACATCCAGCCAGCTTGTCAACATGCATGACCTGAAGCAGGGCCTGGGCCCGTCCG
 GGACAGTGGTGTCTCGGAAACCAGCTTCCAGCAAGTACAAGCTCAAGGTCAAGCTTCCAGACTGAGGGA
 CTCTGTCTACATCTTCCGGGAAGGGCCTTGCCACCCTATCGGCAGATGTTCTACCAATGTTATGCGACTTG
 AATGTGGAAGAGTTGAGAAAGATCATTACCGCAATGACGGGCAGAGAATTCCTGCACAGAACGGGATG
 GGTGGTGCCTCCCAAGACCAGCGACGAGCTCAGGGACACCATGTCCCTCATGATCCGGCAGACCATCCG
 CTCCAAGAGCCTGCTCTCTTTTCCAGCTCAGCCAAGGCTGATGGCGAAAAGAGCAGCTGACGTACGAG
 TCTGGGAAGACGAGGAGGATGAGGAGGAGGAGGAAGAGGAGGAGGACTTCAAGCCATCCGACGGCA
 GTGAAAACGAAATGGAGACAGAGATTCTGGACTACGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG225900 representing NM_001122823
 Red=Cloning site Green=Tags(s)

MAAEAADLGLAAVPVELRRERRMVCVEYPGVVRDVAKMLPTLGGEEGVSRIYADPTKRLELYFRPKDPY
 CHPVCANRFSTSSLLLRIRKRRRQKGLGTEAHSEVTFDMEILGIISTYKFGMSDFQYLAVHTEAGG
 KHTSMYDKVLMRLRPEKEAFFHQELPLYIPPPIFSRLDAPVDYFYRPETQHREGYNNPPISGENLIGLSRA
 RRPHNIAIFVNFEDDEEVPKQPLEAAAQTWRRVCTNPVDRKVEEELRKLFDIRPIWSRNAVKANISVHPDKL
 KVLLPFIAYYMITGPWRSLWIRFGYDPRKNPDAKIYQVLDLFRIRCGMKHGYAPSDLPVKAKRSTYNYSLP
 ITVKKTSSQLVTMHDLKQGLGPSGTSGARKPASSKYKLVSLQTLRDSVYIFREGALPPYRQMFYQLCDL
 NVEELQKIIHRNDGAENSCTERDGLPKTSDELRTMSLMIRQTIIRSKRPALFSSSAKADGGKEQLTYE
 SGEDEDEEEEEEEEDFKPSDGSSEMETEILDYV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001122823

ORF Size: 1578 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_001122823.2](#)

RefSeq Size: 2457 bp

RefSeq ORF: 1581 bp

Locus ID: 9328

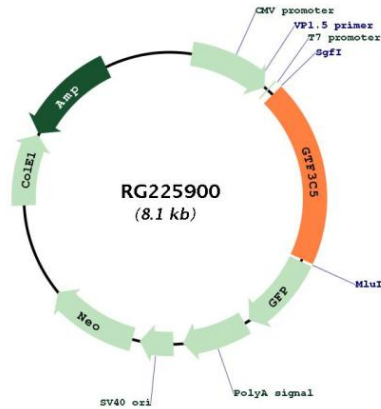
UniProt ID: [Q9Y5Q8](#)

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 RG225900