

Product datasheet for **RG234026**

GTF3C3 (NM_001206774) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF3C3 (NM_001206774) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GTF3C3
Synonyms:	TFIIC2-102; TFIIC102; TFIICgamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234026 representing NM_001206774 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGGGTTCAGTCCGGAACATCGACTACTTGAAGGGAATCTCCTTTGAGGAGTTCGAACGGC
 GGAGAGAAGAGAGAAAAACCGCGAGAAGAAAAGTCTTCAGGAAAAAGGCAAGTTATCAGCTGAAGAAA
 TCCCGATGACTCTGAAGTTCCATCATCATCAGGAATTAACCTACCAAATCCCAAGACAAAGATGTCAAT
 GAAGGAGAAACATCAGATGGAGTGAGGAAGTCAGTTCACAAGGTCTTTGCTTCCATGCTTGAGAGAAATG
 AAGATGATGAGGAGGAAGAGGAAGAAGAGGAGGAGGAGGAGGAGGAAGAAACACCTGAGCAACCCAC
 TGCGGGCGATGTATTTGTATTGGAGATGGTTCTCAATCGTGAAACCAAGAAAATGATGAAAGAGAAAAGG
 CCTCGGAGTAACTTCCCAGAGCTCTGAGAGGTCTCATGGGTGAAGCCAACATTCGTTTTGCTCGAGGAG
 AACGTGAAGAGGCGATATTGATGTGCATGGAAATCATAAGACAAGCTCCTCTGGCTTATGAGCCATTCTC
 TACTCTAGCCATGATATATGAGGACCAAGGTGACATGGAAAAATCATTGCAGTTTGAGTTGATTGCTGCG
 CATTTAAATCCCAGTGACACAGAAGAATGGGTTAGACTGGCAGAAATGTCTCTGGAACAAGACAATATTA
 AGCAGGCTATTTTTGCTATACAAAAGCTCTTAAATATGAACCTACTAATGTCCGTTATCTGTGGGAGCG
 ATCAAGCCTTTATGAACAGATGGGTGATCAAAAATGGCCATGGATGGTTATAGGCGTATTTAAACCTT
 TTGCTCTCATCTGATGGCGAACGTTTTATGCAGCTGGCTAGAGATATGGCAAAGAGTTACTATGAAGCCA
 ATGATGTTACTTCTGCTATTAACATAATTGATGAAGCTTTCTCAAAACACCAAGGCGCTAGTCTCCATGGA
 AGATGTTAACATAGCAGCTGAACATATATTTCTAACAACAGTATGACAAAGCTTTGGAGATAATTACA
 GATTTTTCTGGAATTGTGCTGGAACAAAAAATTCAGAAGAAGGCACCTCAGAAGAGAATAAAGCTCCTG
 AGAATGTTACCTGCACTATACCTGATGGCGTGCCAATAGATATCACAGTGAAGTTGATGGTCTGCCTTGT
 ACATCTCAACATTCTGAACCACTTAATGTATGTAACAAGATCTGCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG234026 representing NM_001206774
 Red=Cloning site Green=Tags(s)

MSGFSPELIDYLEGKISFEEFERREERKTRKKSLQEKGLSAEENPDDSEVPSSSGINSTKSQDKDVN
 EGETSDGVRKSVHKVFASMLGENEDDEEEEEEEEEEEEEETPEQPTAGDVFLVLEMLNRETKMMKEKR
 PRSKLPRLRGLMGEANIRFARGEREEAILMCMETIRQAPLAYEPFSTLAMIYEDQGDMEKSLQFELIAA
 HLNPSDTEEWVRLAEMSLEQDNIKQAIFCYTKALKYEPTNVRYLWERSSLYEQMGDHKMAMDGYYRIINL
 LSPSDGERFMQLARDMAKSYEANDVTSAINIIDAEFSKHQGLVSMEDVNIAAELYISNKQYDKALEIIT
 DFGSIVLEKKTSEEGTSEENKAPENVCTCTIPDGVPIIDITVKLMVCLVHLNILEPLNVCNKICT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001206774

ORF Size: 1239 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_001206774.2](#)

RefSeq Size: 1862 bp

RefSeq ORF: 1242 bp

Locus ID: 9330

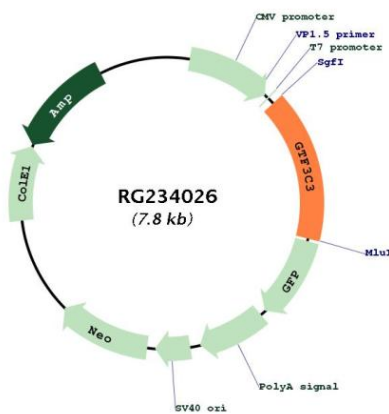
UniProt ID: [Q9Y5Q9](#)

Cytogenetics: 2q33.1

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is part of the TFIIIC2 complex, which binds to the promoters of small nuclear and cytoplasmic RNA genes in order to recruit RNA polymerase III. The TFIIIC2 complex is composed of six subunits. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RG234026