

Product datasheet for **SC115538**

GTF3C5 (NM_012087) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF3C5 (NM_012087) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF3C5
Synonyms:	TFiiiC2-63; TFIIIC63; TFIIICepsilon
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012087, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGAGGCGGCCGATTGGGGCTGGGGCCGCCGTCCTCCGTTGGAGCTGAGGCGGGAGCGACGCA
TGGTGTGCGTGGAGTACCGGGAGTGGTGCCTGATGTGGCTAAGATGCTGCCGACTCTGGCGGCGAGGA
AGGCGTCTCCCGATCTACGCAGACCCCAAGAGGCTGGAGCTGTACTTCCGGCCCAAGACCCATAC
TGCCACCCAGTGTGCGCCAACCGCTTACGTACCAGCAGCCTGCTGCTCCGCATCAGGAAGAGAACGAGGC
GGCAGAAAAGGGTGTGGGCACTGAGGCCCACTCCGAGGTCACATTTGACATGGAGATCCTTGGCATCAT
CTCCACCATTTACAAATTTAGGGGATGTCTGACTTCCAGTACTTGGCTGTGCATACGGAAGCAGGCGGC
AAGCATACGTCAATGTATGACAAGGTGCTCATGCTCCGGCCCGAGAAGGAGGCCTTTTTCCACCAGGAGC
TGCCGCTCTACATCCCCCACCATCTTCTCCGGCTGGACGCCCGGTGGACTACTTCTACCGACCAGA
GACCCAGCACCGGAAGGCTACAACAATCCCCCATCTCAGGTGAGAATCTGATTGGCTGAGCAGAGCC
CGGCGCCCCACAATGCCATCTTGTCACTTTGAGGATGAGGAGGTGCCAAGCAGCCACTGGAGGCTG
CAGCCCAGACGTGGAGGAGAGTTCGACTAACCCTGGACCGGAAGGTGGAGGAGGAGCTGAGGAAGCT
GTTTGACATCCGTCCTCATCTGGTCCCGAAATGCTGTCAAGGCCAACATCAGCGTCCACCCAGACAAGCTC
AAGGTCTTGCTTCCCTTCATAGCCTATTACATGATAACAGGCCCTGGCGCAGCCTATGGATTCCGATTTG
GGTATGACCCCGAAAAACCAGATGCCAAGATTTATCAAGTCTCGATTTCCGAATCCGTTGTGGAAT
GAAACACGGTTACGCCCCAGTACTTGGCGTCAAAGCAAAGCGCAGCACCTACAACCTACAGCCTCCCC
ATCACCGTCAAGAAGACATCCAGCCAGCTTGTACCATGCATGACCTGAAGCAGGGCCTGGGCCCCGTCGG
GGACGAGTGGTGTCTGGAAACCAGCTCCAGCAAGTACAAGCTCAAGGACTCTGTCTACATCTTCCGGGA
AGGGGCTTGGCCACCCTATCGGCAGATGTTCTACCAGTTATGCGACTTGAATGTGGAAGAGTTGCAGAAG
ATCATTCACCGCAATGACGGGGCAGAGAATTCCTGCACAGAACGGGATGGGTGGTGCCTCCCAAGACCA
CGGACGAGCTCAGGGACACCATGTCCCTCATGATCCGGCAGACCATCCGCTCCAAGAGGCCTGCTCTTT
TTCCAGCTCAGCAAGGCTGATGGCGAAAAGAGCAGCTGACGTACGAGTCTGGGAAAGCAGGAGGAT
GAGGAGGAGGAGGAGGAGGAGGAGGACTTCAAGCCATCCGACGGCAGTGAACGAAATGGAGACAG
AGATTCTGGACTACGTGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012087 unedited

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ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTCGCTGGCTAGTAGGAGAG
ACTGGTGTGCTGCCCCGCCGGTGGACTAACTCGCTTAATTTTAAATAAAAAGTCGAGGAC
ACGGCGGTCTGTTTTCCCGAAGACATGGGCCCTCCCATGGGCCATTTGCTCCCTGGAGGCC
CTCGCGTCTTGCTGAGCCCGGGGAGTTAGGATGACGCGAGCGGTGAGGGAGCCCGGAACG
ATTCCTTCGCGGAACAATTGAGGCGAGGCCCTTTGGGAGTACTTTGTGGGACGGACCCTGG
CGGGCCCTGCCAGACGCACAGGGATGGCGGCGGAGGCGGCCGATTTGGGGCTGGGGCCG
CCGTCCCCGTGGAGCTGAGGCGGGAGCGACGCATGGTGTGCGTGGAGTACCCGGGAGTGG
TGCGTGTATGGCTAAAAATGCTGCCGACTCTGGGCGGCGAGGAAGGCGTCTCCCGGATCT
ACGCAGACCCCAAGAGGCTGGAGCTGTAATTCGGCCCAAGGACCCATACTGCCACC
CAGTGTGCGCAACCGCTTACGTACCAGCAGCCTGCTGCTCCGCATCAGGAAGAGAACGA
GGCGGCAGANAGGGGTGCTGGGCACTGAGGCCCACTCCGAGGTCACATTTGACATGGAG
ATCCTTGGCATCATCTCCACCATTTACANATTTANGGGGATGTCTGACTTCCAGTACTTT
GGCTGTGCATACGGAAGCANGCGGCAGCATACTCAATGGTATGACAAGGGTGTCTCATG
CTCCGCCGAGAAGGNAGGCCNTTTTNCNCANGAAAGCTGCGNTNTTACATCCCCCAC
CATTTTCTNCCGNTGGACGCCCNNGNNTGACTACTTNTACGACCANAGACCCAGCAC
CGGAAGGCTACANCATNCCCNATNNTCAGTGAGAATCTTGATTGGCCTGAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012087 unedited GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCTCGGGAAACTGGTTTAATAAG GACAATTCAGAGGGGCTGGCTGTGGCCAAAGCTGTGCCAAACGGTTGGGATCCAGAGC TAAAGGCATCTTGCCACGTGAGACCATGGGCGAGGCTCCCCACGCTATCTCCACCACC ACAGTCATGAGAGCCAAGCGAGACTGGCCTGTGGCCTGGGGCTCCACAGCTGCCAGCTC CACCTCCGGCATTACTGGTCTCATCCTGAGAGGCATTGGGTGCCACTCACTGGCTGGA TGCTGGGCTGGTTCATGGGTGGCAGAGCCAGGGTATACCCTTTGGGGATGTCCCTAACCC CTCAGGACCAGAGGCAGCACCAAGCAGCATGTCACAGCCAGTGCTAGGGTCAGCTGCACC CTTTGCTGGGACTCTAGCTCTCCTCAGAGGGCCTCCTAGGGCCATTCCGGGCACTGTGGG TGGCAATGGGGAGCCCCGGCTCCCTCATTAGGCCAGACACCAGTCTGGCCGGGTGAGGGA GGCCCAGCCTTGGGCCCTGTACACGTAGTCCAGAATCTCTGTCTCCATTTGTTTTTAC TGCCGTCGGATGGCTTGAAGCCTCTCTNCCCCTTTCTCCTCCTCCTCATCCTCCTCGNC TTCCCCAGACTCGTACGTACGTGCTCTTTCCGCCTCAGCCTTGCTGAGCTGGAAAGA GAGCANGCCTCTGGGAACGGATGTCTGCCCGATCATGAAGACCATGGNGTNCTGAGCTC GTCGCTGGTCTTGGGAAGCACCCATCCCCTGTGTCAGGAATCTCTGCCCGTCANG CGGGGGATGATCTCTGCACTCTTACATTAGTCGATACTGGAAACATTGCGATAAGGTGC AAGCCCTCCCCGAAAGTACAAGATCCTGACTGACTGCTGAAACTGGTTCCACCATGNNCC CAAGA
Restriction Sites:	NotI-NotI
ACCN:	NM_012087
Insert Size:	2380 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_012087.1</u> , <u>NP_036219.1</u>
RefSeq Size:	2385 bp
RefSeq ORF:	1560 bp
Locus ID:	9328
UniProt ID:	<u>Q9Y5Q8</u>
Cytogenetics:	9q34.13
Protein Families:	Transcription Factors

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.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, which results in a shorter isoform (2), compared to isoform 1.