

Product datasheet for **SC119183**

GTF3C2 (NM_001521) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GTF3C2 (NM_001521) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GTF3C2 |
| Synonyms: | TFIIIC-BETA; TFIIC110 |
| 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_001521, the custom clone sequence may differ by one or more nucleotides

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ATGGATACCTGCGGGGTCGGCTATGTTGCCCTGGGGGAGGCCGGCCCCGTGGGGAACATGACTGTGGTAG
ACTCTCCTGGACAAGAGGTGCTAAATCAGCTTGATGTCAAGACCTCTTCAGAAATGACCAGTGCAGAGGC
TTCCGTAGAGATGTCATTACCTACCCCTTTGCCTGGATTTGAGGATTCTCCTGATCAGAGGAGGCTCCCT
CCAGAGCAGGAAAGCCTCTCCAGACTGGAACAGCCAGATCTTTCTCAGAGATGTCAAAGGTCTCAAAGC
CTAGGGCCTCAAAGCCTGGCCGGAAGAGAGGTGGTAGGACACGAAAAGGCCCCAAAGGCCCAACAGCC
TAATCCTCCATCAGCCCCACTGGTTCCTGGTCTCTTAGATCAATCCAACCTCTGTCCACCCCATGCCT
AAGAAACGAGGTGCAAAGTCCAAGGCAGAGCTGCTGCTGAAGTTGTCAAAGACCTAGATCGGCCAG
AATCTCAATCTCAAAGAGGCCCTTGAGGACTTTGAGACCCCTTCTGGGGAACGACCCCGCGAAGGGC
TGCCCAAGTGGCACTTCTGTATCTTCAGGAAGTGGCTGAAGAGCTCTCAACAGCCCTGCCTGCCCTGTG
TCCTGTCTGAGGGCCCCAAGGTGAGCAGCCCCACAAACCGAAGAAGATCCGGCAGCCAGCAGCCTGTC
CAGGTGGAGAAGAGGTGGATGGTCTCCACGGGATGAAGACTTTTTCTCCAGTTGAGGCTGAAGATGT
GGAAGAAAGTGAAGGGCCCAAGTGAAGAGCTCATCTGAACCTGAGCCTGTAGTGCCCGAAGCACCCACGA
GGATCTACTTCAGGGAACAGAAACCACTGCCGAGGAATGGCTCCCAATGGCTTACCAATCATATCA
TGGCTCCTGTTTGAAGTGCCTCCATCTCACCAGGACTTCCGAGAGCAGAAACATTCATACTGGGAGTT
TGCTGAGTGGATTCTTTAGCCTGGAAGTGGCACTTGTATCTGAGCTTGAGGCCCTCCCTACCTGCC
CAGGAGGAGAAGTCTCCATTGTTTTCTGTACAACGTGAAGGGCTACCTGAAGATGGCACCCTTACCAGAA
TAAACAGATTTAGCTCGATCACAGCACATCCAGAGCGCTGGGATGTGCTTCTTACGGGGGACCCT
CTGGGCTCTGACTGGTCCAGTGCCAGAGGGGGCAGGAGCCTCGCAATATGTGGCTCTTTCTCCAGC
CTGCAATGAATGAGACACACCCACTGAGCCAGCTTCAATCGGGTCTGGGCTGCTCCAGCTGTGGGCGC
TTGGGACCTTGACAGCAAGAAAGCTGTCTGGCAACAGGGCCACTTTGTCTATGGGATTGCTTGACAA
CGGCTGCATCTGGGACCTCAAGTCTGCCCCAGTGGAGCATGGGAACCTCCAGGCACCCCTCGGAAGGCT
CCTCTCCTGCCCGGTTGGGTCTCTGGCTCTGGCCTGCTCAGACGGGAAAGTACTGCTATTTCAGTCTAC
CCCATCCGGAGGCCCTGCTGGCTCAGCAACCCCGATGCAGTGAAGCCTGCCATATATAAGGTACAATG
TGTGGCAACTCTGCAGGTGGGTCTATGCAAGCTACAGACCCCTCTGAGTGTGGTCAGTGCCTTAGCCTG
GCCTGGATGCCTACCAGGCCCAACACCTAGCTGCTGGATATTATAATGGCATGGTGGTTTTCTGGA
ACCTTCCCACTAACTCACCCCTGCAGCGGATACGGCTCTCTGATGGCTCCTTAAAGCTTACCCCTTCCA
GTGTTTCTAGCCATGACCAGGCTGTGGTACCCTTCAATGGTCAAAGCTAACAGCCATTTCTTGTGTC
TCTGCGGGGAGTGACCGAAAATCAAATCTGGGACCTTCGACGTCCTTACGAACCCATAAACTCTATCA
AGCGCTTCTTGAGTACAGAACTGGCCTGGCTGCTTCCCTACAATGGTGTCACTGTGGCTCAGGACAAGT
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ATATATCCGGGGAGCTCATTGCTGCTATATTACCAGATATGGCACTGAATCCAATAAATGTCAAGCGACC
TGTAGAGCGAAGATTTCTATATATAAAGCAGATCTGATACCGTATCAGGACAGTCTGAAGGTCCAGAC
CATTCTTCTGCTTCATCTGGGGTCCCCAACCCCTCTAAGGCTCGAACTTACACTGAACTGTCAACCATC
ACTACTTGCTCTTTCAAGACACAGATTTGGGTTCAATCCATGATCTGCTCCGTAGAGAACCAATGCTGCG
CATGCAGGAGGGAGAGGGGCATTTCAACTCTGCCTGGACAGGCTGCAGCTGGAGGCTATTACATAAGGTA
CGTTTTAGCCCAACCTGGACTCCTATGGATGGCTGGTATCTGGGGGAGTCAAGGCTGGTTTCCGATCC
ATTTTGTCCGTGGACTCGCTCCCACTGGGCCACCGTATGCAGCTTGAAGCCGAGCCCACTTCAATGC
TATGTTCAAACCATCCTCCCCACTAGACGGCCTGGCTTCTCTCAACCAGCCATCGCCTTCTGCCCACT
CCCTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001521 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGGCA
 CGAGGCAGAAATCCCCTGAAGAGCTTGTAAAACACAAGGTGCTGGCCCCATCCAGAATTG
 CTGATTCGGGGCAGCCATTTTGGGGGTGCTGATGGATACCTGCGGGTTCGGCTATGTTG
 CCCTGGGGGAGGCCGCCCGCTGGGGAACATGACTGTGGTAGACTCTCCTGGACAAGAGG
 TGCTAAATCAGCTTGATGTCAAGACCTTTCAGAAATGACCAGTGCAGAGGCTTCCGTAG
 AGATGCTATTACCTACCCTTTGCCTGGATTTGAGGATTCTCCTGATCAGAGGAGGCTCC
 CTCCAGAGCAGGAAAGCCTCTCCAGACTGGAACAGCCAGATCTTTCTCAGAGATGTCAA
 AGGTCTCAAAGCCTAGGGCCTCAAAGCCTGGCCGGAAGAGAGGTGGTAGGACACGAAAAG
 GCCCAAAGGCCCAACAGCCTAATCCTCCATCAGCCCCACTGGTTCCTGGTCTCTTAG
 ATCAATCCAACCCTCTGTCCACCCCATGCCTAAGAAACGAGGTGAAAGTCCAAGGCAG
 AGCTGCTGCTGTAAGTTGTCAAAGACCTAGATCGGCCAGAATCTCAATCTCCAAAGA
 GGCCCCCTGAGACTNTGAGACCCNCTTCTGGAAACGANCCCCGCGAAGGCTGCCCAAG
 TGGCACTTCTGTATCTCAGGAAGTGGTGAAGAGCTCTCAACAGCCCTGCCTGCCCTG
 TGTCTGTCTGAGGNNCCCANGTGAGCAGCCACCANACCGAGNAAGANCCGAGCCA
 GCAGCCTGTCCCAGTGGAGAAAGAGTGGGATGGNTGCTCACAGGATGAAGACTTTNTTCT
 NCAGNTGAGGCTGAAGAGTGNAAAAAATGAGGCCNAGTGAGACTCTCTGACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001521 unedited
 CGGCCGATTCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAAGTAACTGA
 AGATATTTAATCTAGAGAAGATTTGGGAAACACATGATAGCTATGGTTAAATACTTAACA
 GGGCAATCACAGGAAGATGACTAGATTTCTAACATCCATGAGTGAAATTTATAGAAGT
 ATACTCTGACTTGATATAAGGAAGATTTAAAAAACATGACTGTTCCAGGAGTGTCA
 AGTAGGGTCAGATGACCAGTGATTGGGAATACTTCGTAAGCAGGAGCAAGTAAGATCTGA
 GCCACTGTTCTATCGGTAGGGGTCTGTGGTATTCCTTGGTCAAAGAAGTACTCTAAGCA
 ACTTCAGTCTCACGAATTACTATCACCCCTCGTGGGCATACATGATGGTTACCCCTAAAGAG
 GAAGTTTCAGAAGGCAGTAATATTGGATCCTGGAATAGTCAGACAGGAGCCTTATGCGAG
 ATACCCTTTTAGTTCTCCATACACCCATTACAAGTGGTCACAAAAACACCCAGTACCT
 TTACTTGGCTTTACCCACTTAACAATATGCTCAATATGAGCAGTTTACTCCCAAGCCTA
 GGTCAGGCCTGAGTGTCTCATGAGCCATAGTCTTAGGCTGAGGAGCCTTGAGAGTTGG
 TGGAGGGAGAGCCCCCTGCCCGCAGGGGCTGTGATCACAGAAGTCTGTAGAAAGAGTG
 GGATCTAAGGAGTCTGGGGAGGCAGGCCTAAAGTCCAGGCCTGGCATGATCACTGTCC
 AGGGAAGGCCCCAGNTTCTATGGCTCTGTGCATAGGGGCCACTTTGNTCTTGACCGACT
 TCATTCAAGGATCTGGTGTGGGCCAGGCTAGGNAGTGGGCANAAAGCGATGGGCTGGN
 TGAGAAANCCAGCCGTCTACTGGGGAGGATGTTGGNACTACCATGAAGTGGCTCGCCTTC
 AGCTGATACG

Restriction Sites:

ECoRI-NOT

ACCN:

NM_001521

Insert Size:

3600 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:

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_001521.1](#), [NP_001512.1](#)

RefSeq Size: 3976 bp

RefSeq ORF: 2736 bp

Locus ID: 2976

UniProt ID: [Q8WUA4](#)

Cytogenetics: 2p23.3

Domains: WD40

Protein Families: Transcription Factors

Gene Summary: Required for RNA polymerase III-mediated transcription. Component of TFIIC that initiates transcription complex assembly on tRNA and is required for transcription of 5S rRNA and other stable nuclear and cytoplasmic RNAs. May play a direct role in stabilizing interactions of TFIIC2 with TFIIC1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence compared to variant 3. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 1 and 2 both encode the same isoform (b).