

Product datasheet for **SC318922**

GTF3C5 (NM_001122823) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GTF3C5
Synonyms:	TFIIIC2-63; TFIIIC63; TFIIICepsilon
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318922 representing NM_001122823.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGGCGGAGGCGGCCGATTGGGGCTGGGGCGCCGTCCTCCGTTGGAGCTGAGGCGGGAGCGACGC
ATGGTGTGCGTGGAGTACCGGGAGTGGTGCCTGATGTGGCTAAGATGCTGCCGACTCTGGCGGGCAG
GAAGGCGTCTCCCGGATCTACGCAGACCCACCAAGAGGCTGGAGCTGTACTTCCGGCCCAAGGACCCA
TACTGCCACCCAGTGTGCGCCAACCGCTTCAGTACCAGCAGCCTGCTGCTCCGCATCAGGAAGAGAAGC
AGGCGGCAGAAAGGGTGTGGGCACTGAGGCCACTCCGAGGTCACATTTGACATGGAGATCCTTGGC
ATCATCTCCACATTTACAAATTTAGGGGATGTCTGACTTCCAGTACTTGGCTGTGCATACGGAAGCA
GGCGGCAAGCATACGTCAATGTATGACAAGGTGCTCATGCTCCGGCCGAGAAGGAGGCTTTTCCAC
CAGGAGCTGCCGCTCTACATCCCCCACCCTCTTCTCCGGCTGGACGCCCGGTGGACTACTTCTAC
CGACCAGAGACCCAGCACCGGGAAGGCTACAACAATCCCCCATCTCAGGTGAGAATCTGATTGGCTG
AGCAGAGCCCGGCCCCCAATGCCATCTTTGTCACTTTGAGGATGAGGAGGTGCCAAGCAGCCA
CTGGAGGCTGCAGCCAGACGTGGAGGAGAGTCTGCACTAACCCCGTGGACCGGAAGGTGGAGGAGGAG
CTGAGGAAGCTGTTGACATCCGTCCTCATCTGGTCCCGAAATGCTGTCAAGGCCAATCAGCGTCCAC
CCAGACAAGCTCAAGGTCTTGTCTCCCTTCATAGCCTATTACATGATAACAGGCCCTGGCGCAGCCTA
TGGATTTCGATTGGGTATGACCCCGAAAAACCCAGATGCCAAGATTTATCAAGTCTCGATTTCCGA
ATCCGTTGTGGAATGAAACACGGTTACGCCCCAGTGACTTGCCGGTCAAAGCAAAGCGCAGCACCTAC
AACTACAGCCTCCCATCACCGTCAAGAAGACATCCAGCCAGCTTGTCAACATGCATGACCTGAAGCAG
GGCCTGGGCCCGTGGGGACGAGTGGTGTCTCGGAAACAGCTTCCAGCAAGTACAAGCTCAAGGTGAGC
CTTCAGACACTGAGGACTCTGTCTACATCTTCCGGGAAGGGGCTTCCACCCATATCGGCAGATGTTT
TACCAGTTATGCGACTTGAATGTGGAAGAGTTGCAGAAGATCATTACCGCAATGACGGGGCAGAGAAT
TCCTGCACAGAACGGGATGGGTGGTGCCTCCCCAAGACCAGCGACGAGCTCAGGGACACCATGTCCCTC
ATGATCCGGCAGACCATCCGCTCCAAGAGGCTGCTCTCTTTCCAGCTCAGCAAGGCTGATGGCGGA
AAAGAGCAGTGACGTACGAGTCTGGGGAAGACGAGGAGGATGAGGAGGAGGAGGAAGGAGGAGGAG
GACTTCAAGCCATCCGACGGCAGTGAAACGAAATGGAGACAGAGATTCTGGACTACGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001122823

Insert Size:

1581 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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001122823.1</u>
RefSeq Size:	2457 bp
RefSeq ORF:	1581 bp
Locus ID:	9328
UniProt ID:	<u>Q9Y5Q8</u>
Cytogenetics:	9q34.13
Protein Families:	Transcription Factors
MW:	60.4 kDa
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).