

## Product datasheet for **SC115486**

### **GTF3C4 (NM\_012204) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GTF3C4 (NM_012204) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF3C4
Synonyms:	KAT12; TF3C-delta; TFIII90; TFIIIC90; TFIIIC290; TFIIICDELTA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC115486 sequence for NM\_012204 edited (data generated by NextGen Sequencing)

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ATGAACACGGCCGACCAGGCCCGGGTGGGGCCCGCGGACGACGGGCCTGCGCCGTCTGGG
GAGGAGGAGGGAGAGGGGGCGGCGAGGGCGGGCGGAAGGAGCCAGCAGCGGACGCGGCC
CCGGGGCCAGCGCTGCATTCGCCTCATGGTACTCGGCGGGAGCCGGCCGTGAAGCTG
CAGTATGCGGTGAGCGGCCTGGAACCGCTGGCTTGGTCCGAGGACCACCGCTGTCTGTG
TCCACGGCCCGCAGCATCGCTGTGCTGGAGCTCATCTGCGACGTGCACAACCCGGGCCAG
GACCTGGTTATCCACCGCACCTCGGTGCCCGCACCGCTCAACAGCTGTCTCCTCAAAGTT
GGCTCAAAAACAGAAGTTGCTGAGTGCAAGGAGAAATTCGCCGCCTCAAAGGACCCACG
GTCAGTCAGACTTTCATGTTGGATAGGGTGTTCACCCTGAGGGGAAGGCTTTACCACCA
ATGAGAGGATTCAAGTACACCAGCTGGTCTCCCATGGGTTGCGATGCTAATGGCAGGTGC
CTCTTGGCAGCACTGACCATGGACAATCGCCTGACCATCCAGGCAAACTCAACAGACTG
CAGTGGGTCCAGCTGGTTGACCTGACTGAGATCTATGGAGAACGCTTTTATGAGACCAGT
TACAGGCTCTCTAAAAATGAGGCCCCGGAAGGAAATCTCGGGGATTTTGTGAGTTTCAG
AGGAGACACAGCATGCAGACCCAGTCAGAATGGAGTGGTCGGGCATCTGTACCACCCAG
CAGGTCAAGCATAACAACGAATGCCGGGACGTTGGCAGTGTGCTCCTGGCTGTCCCTTTT
GAAAACGGTAATATCGCCGTGTGGCAGTTTCAGCTGCCGTTTGTAGGAAAAGAATCCATC
TCTTATGCAACACAATTGAGTCAGGAATCACCTCTCCAGTGTATTGTTTTGGTGGGAA
TATGAGCACAATAATCGAAAAATGAGTGGCCTTATTGTGGGGAGTGCTTTTGGACCCATA
AAAATTCCTGTCATCTCAAAGCAGTCAAAGGCTATTTCACTTTAAGGCAGCCTGTT
ATCTTGTGAAAGAAATGGACCAGTTACCTGTGCACAGTATCAAATGTGTGCCACTTTAT
CATCCTTACCAGAAGTGTAGTTGCAGCTTAGTAGTGGTGAAGAGGCTTTATGTATTT
TGGTGTCTTCTTCTGATCTCAAAGCAGGGTGAATGTTCACAATTCATGTCACAGGC
CTTCACTCACTGCCAATTGTCTCCATGACTGCAGACAAAACGAATGGAACAGTCTATACT
TGCTCCAGTGACGAAAGGTGAGGCAGCTGATTCCATTTTACAGATGTTGCATTGAAG
TTTGAACACCAGTTGATTAACCTCTCAGATGTGTTTGGCTCAGTGAGGACTCACGGGATA
GCAGTGAGCCCTGCGGTGCATACCTGGCCATCATCACCAGTGGGGCATGATCAACGGC
CTCCACCCTGTTAAACAAAACCTACCAGGTCCAATTTGTTACTCTCAAACCTTTGAAGAA
GCAGCTGCTCAGCTCCTGGAATCTTCAGTTCAAACCTTTTTAAGCAGGTAGATTAATA
GACCTAGTACGCTGGAAGATTTTAAAAGATAAACATATCCCTCAATTTTTACAAGAAGCT
TTGGAAAAAAGATTGAAAGCAGTGGAGTCACCTATTTTTGGCGTTTTAAGCTTTTCTC
CTGAGGATTTTATATCAGTCAATGCAGAAAACCCCTTCAAGGCTTGTGGAAACCCACC
CATGAGGACTCAAAAATCTTACTAGTGGATTTCGCTGGGATGGGCAATGCTGACGATGAA
CAGCAGGAAGAAGGCACTTCTTCAAACAGGTGGTGAAGCAAGGCTGCAGGAGAGGAGC
AAGGAAGGAGATGTAGAGGAGCCACTGATGACTCGCTCCCCAGACTGGAGATGCTGGA
GGCCGTGAGCCAATGGAAGAGAACTCCTGAAATCCAAGGGAAAATCGAAGCTGTGGAG
ATGCACCTTGACCAGGGAACACATGAAGCGAGTCTTAGGAGAAGTGTATCTGCACACCTGG
AGTATGATGACAGAAGTGCACGGGTGCTGATTGGACATATCTCAAAGAAGATGAACAAA
CAGACTTTCCTGAGCACTGTAGTTTGTGTAAGAGATCTTGCCATTCACAGATCGCAAA
CAGGCAGTCTGTTCCAATGGCCACATTTGGCTCCGGTGCTTCTAACCTACCAGTCTGC
CAGAGTTTGATATATAGAAGGTGTTTGGCTCCATGACAGCATTGCCCGGCATCCAGCTCCA
GAAGATCCCGACTGGATTAAGAGGTTACTGCAAAGCCCTGCCCTTTCTGTGATTCTCT
GTCTTCTAA

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Clone variation with respect to NM\_012204.2  
 1560 g=>a

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_012204 unedited  
 GCCCTATTATGTAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGTGGAGC  
 GCCAGGGCGTCCGACCTCTGCACCTGAGAGAAGATGAACACGGCCGACCAGGCCGGGTG  
 GGGCCCGCGGACGACGGGCTGCGCCGTCTGGGAGGAGGAGGGAGAGGGGGCGCGCAG  
 GCGGGCGGAAGGAGCCAGCAGCGGACGCGGCCCGGGGCCAGCGCTGCATTCCGCCTC  
 ATGGTGACTCGGCGGGAGCCGGCCGTGAAGCTGCAGTATGCGGTGAGCGGCCTGGAACCG  
 CTGGCTTGGTCCGAGGACCACCGCTGTCTGTGTCCACGGCCCGCAGCATCGCTGTGCTG  
 GAGGCTCATCTGCGACGTGCACAACCCGGGCCAGGACCTGGTTATCCACCGCACCTCGGTG  
 CCCGCACCGCTCAACAGCTGTCTCCTCAAAGTTGGCTCAAAAACAGAAGTTGCTGAGTGC  
 AAGGAGAAATTCGCCCTCCAAGGACCCACGGTCAGTCAGACTTTCATGTTGGATAGG  
 GTGTTCAACCCTGAGGGGAAGGCTTACCACCAATGAGAGGATCAAGTACACCAGCTGG  
 TCTCCCATGGGTTGCGATGCTAATGGCAGGTGCCTCTTGGCAGCACTGACCATGGACAAT  
 CGCCTGACCATCCAGGCAAATCTCAACAGACTGCAGTGGTCCAGCTGGTTGACCTGACT  
 GAGATCTATGGAGAACGTCCTTATGAGACCAGTTACAGGCTCTCTAAAAATGAGGCCCGG  
 NAGGAAATCTCGNNGATTTTGTGAGTTTACAGAGNCACAGCATGCAGACCCCAAGTCAAG  
 TNAGTGGTCGGGCATCTGTACCACCCAGAGTCAAGCTTTACACCAATGCCNNGACGCTT  
 GCCANGTCTCCTGGCTGTCTCTTTGNAACNGGTATATCGCCGTGTGGCAGTTCAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_012204 unedited  
 TCTATGAACCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTATAACAATAA  
 TTATGTTATTTATTTTGAATAAAAAATGGCCAAAATAACAATACTAATGGCTCTGTATAC  
 AAACCACAACATATTCAAGGTTATCTCACATTTACAAAAGTCCATTATGTACAGCACTA  
 CATATTCACAGCAACTCTATTAGACTCTAAGTACCAGAATCATGTAAGCAATTGAGGGGA  
 ATCCCAAATGAGAAAGAGCTAAAACCAATGGTAGTTCATCAATTGGAGAAATGGCCAACC  
 AGCGACTTGGTAAAGAAACAGAGGTTCTGTTACCCTTTTAAACAAGTAATAACTAAAATAT  
 GATTACCCACAGGGCCTTATACTGACAAAACCCCTCCCAAATTTCCATTTTCATTTTC  
 TCCATAATCTTCCCCTTCAAATTTTCTAGGAACCTCAGCTCTAATATTAGATAAAA  
 ACGCAGGACACTGATATGTAATCTTCAAGAAAAGGTTAAGTAGTGCTAAGGATGTGG  
 GATGATCTGGTTCAACCCAAAAAGCCAGTTCAAACCAAGAAAGAACTGCCCCCTTTC  
 TGGCAGGAGTAGCTTTGTAGTGTGAAACACAGGGGAAGTGAACCACATTTTCATCCTGATG  
 AGGCAGGAAGTTACTCACTACTTCTACACGTCATGAGCACCTAACCTGTGCAAGGCACTT  
 TACATTANGTGCTGCAGGAACCAAAAATNAAACAATTCCTGCCCNTGAGAGCTTACAA  
 TCTAGTNATGAAAATATGTACATATATAAATGGAGAAAAGTCAACCACTTTTCTGGAT  
 TGGGGATAATCCAAGCAAAGCATTGGTATCAACTTTTTTTTTTTCACACCAAAGTCATAA  
 AACATCCCCCTATCAAATGGGAAGATTGAAAAGCATCTCTTTTCCAAACCTAAGGTTT  
 TAAAAGATGGTCTGGTAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_012204

**Insert Size:**

8000 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_012204.1, NP_036336.1</u>
<b>RefSeq Size:</b>	3210 bp
<b>RefSeq ORF:</b>	2469 bp
<b>Locus ID:</b>	9329
<b>UniProt ID:</b>	<u>Q9UKN8</u>
<b>Cytogenetics:</b>	9q34.13
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>Essential for RNA polymerase III to make a number of small nuclear and cytoplasmic RNAs, including 5S RNA, tRNA, and adenovirus-associated (VA) RNA of both cellular and viral origin. Has histone acetyltransferase activity (HAT) with unique specificity for free and nucleosomal H3. May cooperate with GTF3C5 in facilitating the recruitment of TFIIB and RNA polymerase through direct interactions with BRF1, POLR3C and POLR3F. May be localized close to the A box.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>