

Product datasheet for **MC221830**

Gtf3c4 (NM_172977) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3c4 (NM_172977) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtf3c4
Synonyms:	5330400C03; AI426938; AU014771; AU017413; KAT12; TFIIC90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221830 representing NM_172977
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCGAGGCGGACCAGGCCCTGGTGGGGCCCAAGGCCGACGAGCCCTCGCCGCCCGCAGAGGAGAAGG
 ACGAAGGGGGCGGAAGGAGGCGCTGCCGACGCGGCCCCCGGGCCAGCGCCTCGTTTCGCCTCATGGT
 GACTCGGCGGGAGCCTGCCGTGAAGCTGCAATACGCGGTGAGCGGTTAGAGCCGCTCTCCTGGTCTGAG
 GACCACCGCTGTCTGTGCCACGGCTCGCAGCGTCGCGGTGCTGGAGCTTATCTGCGATGTGCACAACC
 CAGGCCAGGATCTGGTATCCACCGCACCTCGGTACCCGCACCTCTCAACAGCTGCCTCCTCAAGTTGG
 CTCAAAAAAGAGTTGCTGAGTGAAGAAAAGTTTCGTTCTCTAAAGACCCACCATCAGCCAGACT
 TTCATGCTAGACAGGATGTTCAACCCGAGGGGAAGGCCCTGCCCAATGCGGGGTTTCAATACTACTA
 GCTGGTCTCCAATGGGTGTGATGCAAAATGGCAGGTGCCTCTTGGCAGCACTGACCATGGACAATCGCT
 GACTGTGCAGGTGAACCTCAACAGACTCCAGTGGGTTGAGTGGTGGTCTGACGGAGATTTATGGAGAC
 CGTCTTTATGAGACTAGTTATAGACTGTCTAAAAATGAGGCTCCTGAGGGAAATCTCGGGGATTTGCTG
 AGTTTCAGAGGAGACACAGTATGCAGACCCAGTCAGAATGGAATGGTCCGAGTATCTGTACCACTCAGCA
 GGTCAAGCACAACAACGAGTGCCGGGATGTGAGCAGCGTCTGCTGGTGTCTCTTTGAGAACGGGAAT
 ATAGCTGTGTGGCAGTCCAGCTGCCATTCGTGGGGAAGGAGTCCATCTCTTCAAGCAACTATTGAGT
 CAGGAATCAGCTCCCCAGTGTGTTTGGTGGGAATATGAGCACAATAATAGGAAAATGAGTGGCCT
 TATTGTGGCAGTGTGTTGGACCTGAAAAATCTCCCTGTCAATCTCAAAGCAGTGAAGGCTACTTT
 ACTTTAAGGCAGCCTGTGTCTGTGAAAGAAATGGACAAGTACCTGTGCACAGCATCAAAATGTGTGC
 CACTTTACCACCCCTACCAGAAGTGTAGCTGTAGCTTGTGTTGAGCTGCAAGAGGCTCCTATGTGTTTG
 GTGTCTTCTGATCTCCAAGGCAGGTCTGAATGTTTCACAATCCACAGTACAGGCCTCCACTACTG
 CCCATCGTCTCCATTACTGCAGACAAGCAGAATGGAACAGTGTACACCTGCTCTAGTGTGGAAAGTGA
 GGCAGTTGATTCCATTTTACAGATGTTGCATTAAGTTTGAACACCAGCTGATTAAGCTCTCAGATGT
 CTTTGGCTCAGTGAAGTACAGCTCACGGCATTGCAGTGAAGTCCCTGTGGTGTCTATCTGGCCATCATCACC
 GAGGGCATGATGAATGGCTCCATCCTGTGAATAAGAACCAGGTCAGTTTGTACTCTGAAGACCT
 TTGAAGAGGCAGTGTCTCAGCTTGGAGTCTCAGTTCAGAATCTTTAAGCAGGTAGACTTGATCGA
 CCTGGTCCGCTGAAAAATTTAAAAGATAAACATATTCCTCAGTTTTTACATGAAGCATTGAAAAAAG
 ATTGAAAGCAGCGGGTTACCTATTTTTGGCGTTTTAAGCTTTTCTTCTAAGGATTTTGTATCAGTCAA
 TGCAAAAATCCCCTTCGAGGCCTTATGAAACCACCCATGAGGACTCAAAAATCTTACTGTTGACTC
 ACCTGGGATGGGCGACGGTGAAGGATGAGCAGCAAGAAGAAGTACTTCCAAGCAGGGGACTAAGGCTGGC
 CTGCAGGAGAAGAGCAAAGAAGGTGACACAGAGGAGACCCTGAGGACTCACTACTGCAGGGGGAGACA
 CCGGAGGCCGTGAACCTGTAGAGGAAAAGCTCCTTGAATCCAAGGGAAGATTGAGGCTGTGGAGATGCA
 CCTGACCAGGGAGCACATGAAGCGGGTCTGGGAGAAGTGTACCTGCACACCTGGATCACAGAGAACC
 AGCATACCACAGAGGGCTCTGTAACCTCCTGATGTCTGATGAGGATTATGATGACAGGACAGCACAGG
 TCTTGATTGGACATATCTCCAAGAAGATGAACAAACAGACCTTCCCTGAGCGCTGCAGTCTGTGTAAGGA
 GATCTTACCATTACAGATCGCAAGCAAGCTGTTTGTTCATGGGCACATCTGGCTCCGGTCTTTCTA
 ACCTACCAGTCCGAGAGCTTGATATACAGACGGTGTGTTGCTCCATGACAGCATCGCCAGGCATCCTG
 TTCCAGAAGATCCTGACTGGATTAAGAGGTTGCTGCAGAGTCTTGTCTTTCTGTGATTCTCCTGTCTT
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_172977
Insert Size: 2454 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:	NM_172977.3 , NP_766565.2
RefSeq Size:	7021 bp
RefSeq ORF:	2454 bp
Locus ID:	269252
UniProt ID:	Q8BMQ2
Cytogenetics:	2 A3
Gene Summary:	<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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). 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>