

Product datasheet for **MC220384**

Gtf3c4 (NM_001166033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3c4 (NM_001166033) 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: >MC220384 representing NM_001166033
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTAGACAGGATGTTCAACCCGAGGGGAAGGCCTTGCCCAATGCGGGTTCAAATACACTAGCT
 GGTCTCCAATGGGTTGTGATGCAAATGGCAGGTGCCTCTTGGCAGCACTGACCATGGACAATCGCCTGAC
 TGTGCAGGTGAACCTCAACAGACTCCAGTGGGTTAGCTGGTGTGATCTGACGGAGATTTATGGAGACCGT
 CTTTATGAGACTAGTTATAGACTGTCTAAAAATGAGGCTCCTGAGGGAAATCTCGGGATTTTGTGAGT
 TTCAGAGGAGACACAGTATGCAGACCCAGTCAGAATGGAATGGTCGAGTATCTGTACCACTCAGCAGGT
 CAAGCACAAACAGAGTCCCGGATGTGAGCAGCGTGTCTGCTGGTGTCTCTTTGAGAACGGGAATATA
 GCTGTGTGGCAGTCCAGCTGCCATTCTGGGGAAGGAGTCCATCTTTCATGCAACACTATTGAGTCAG
 GAATCAGCTCCCCAGTGTGGTGGTGGGAAATAGAGCACAATAATAGGAAATGAGTGGCCTTAT
 TGTGGCAGTGTGGTGGACCTGTAAAAATCTCCCTGTCAATCTCAAAGCAGTAAAGGCTACTTTACT
 TTAAGGCAGCCTGTGTCTGTGGAAAGAAATGGACAAGTTACCTGTGCACAGCATCAAATGTGTGCCAC
 TTTACCACCCCTACCAGAAGTGTAGCTGTAGCTTGTAGTGTAGCTGCAAGAGGCTCCTATGTGTTTTGGT
 TCTTCTCTGATCTCAAGGCAGGTCTGAATGTTACAATCCCACGTCACAGGCCTCCACTCACTGCC
 ATCGTCTCCATTACTGCAGACAAGCAGAATGGAACAGTGTACACCTGCTCTAGTGATGGGAAGGTGAGGC
 AGTTGATCCCATTTTACAGATGTTGCATTAAGTTTGAACACCAGCTGATTAAGCTCTCAGATGTCTT
 TGGCTCAGTGAGGACTCACGGCATTGCAGTGAGTCCCTGTGGTGTCTTCTGGCCATCATCACCAGT
 GGCATGATGAATGGCCTCCATCTGTGAATAAGAACTACCAGTCCAGTTTGTACTCTGAAGACCTTTG
 AAGAGGCAGCTGCTCAGCTCTTGGAGTCTCAGTTCAGAATCTCTTAAAGCAGGTAGACTTGATCGACT
 GGTCCGCTGGAATAATTTTAAAGATAAACATATTCCCTCAGTTTTTACATGAAGCATTGGAATAAAGATT
 GAAAGCAGCGGGTTACCTATTTTTGGCGTTTTAAGCTTTTCTTCTAAGGATTTTGTATCAGTCAATGC
 AGAAATCCCTTCCGAGGCCTTATGAAACCCACCCATGAGGACTCAAAAATCTTACTGGTTGACTCACC
 TGGGATGGGCGACGGTGAGGATGAGCAGCAAGAAGAAGTACTTCCAAGCAGGGGACTAAGGCTGGCCTG
 CAGGAGAAGAGCAAAGAAGGTGACACAGAGGAGACCCCTGAGGACTCACTCACTGCAGGGGAGACACCG
 GAGGCCGTGAACCTGTAGAGGAAAAGCTCCTTGAGATCCAAGGGAAGATTGAGGCTGTGGAGATGCACCT
 GACCAGGGAGCACATGAAGCGGGTCTGGGAGAAGTGTACCTGCACACCTGGATCACAGAGAACCACAGC
 ATACCCACCAGAGGGCTGTAACTTCTGATGTCTGATGAGGATTATGATGACAGGACAGCACAGTCT
 TGATTGGACATATCTCCAAGAAGATGAACAAACAGACCTCCCTGAGCGCTGCAGTCTGTGTAAGGAGAT
 CTTACCATTACAGATCGCAAGCAAGCTGTTTGTTCCAATGGGCACATCTGGCTCCGGTGTCTTCTAACC
 TACCAGTCTGCCAGAGCTTGATATACAGACGGTGTGGTCCATGACAGCATCGCCAGGCATCCTGTTC
 CAGAAGATCCTGACTGGATTAAGAGGTTGCTGCAGAGTCTTGTCTTCTGTGATTCTCCTGTCTTCTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001166033
- Insert Size:** 2031 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_001166033.1 , NP_001159505.1
RefSeq Size:	7127 bp
RefSeq ORF:	2031 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 (2) contains an alternate exon compared to variant 1, that causes a frameshift and a downstream translation start site to be used. The resulting isoform (2) is shorter at the N-terminus compared to 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>