

Product datasheet for **MG210797**

Gtf3c4 (NM_172977) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3c4 (NM_172977) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gtf3c4
Synonyms:	5330400C03; AI426938; AU014771; AU017413; KAT12; TFIIC90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210797 representing NM_172977
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGAGGCGGACCAGGCCCTGGTGGGGCCCAAGGCCGACGAGCCCTCGCCGCCCGCAGAGGAGAAGG
 ACGAAGGGGGCGGAAGGAGGCGCTGCCGACGCGGCCCGGGCCAGCGCCTCGTTTCGCCTCATGGT
 GACTCGGCGGGAGCCTGCCGTGAAGCTGCAATACGCGGTGAGCGGGTTAGAGCCGCTCTCCTGGTCTGAG
 GACCACCGCGTGTCTGTGTCCACGGCTCGCAGCGTCCGCGTGTGGAGCTTATCTGCGATGTGCACAACC
 CAGGCCAGGATCTGGTATCCACCGCACCTCGGTACCCGCACCTCTCAACAGCTGCCTCCTCAAGGTTGG
 CTCAAAAAAGAGTGTCTGAGTGAAGGAAAAGTTTCGTTCTCTAAAGACCCACCATCAGCCAGACT
 TTCATGCTAGACAGGATGTTCAACCCGAGGGGAAGGCCCTGCCCAATGCGGGGTTTCAATACTACTA
 GCTGGTCTCCAATGGGTGTGATGCAAAATGGCAGGTGCCTCTTGGCAGCACTGACCATGGACAATCGCT
 GACTGTGCAGGTGAACCTCAACAGACTCCAGTGGGTTGAGTGGTGTGATCTGACGGAGATTTATGGAGAC
 CGTCTTTATGAGACTAGTTATAGACTGTCTAAAAATGAGGCTCCTGAGGGAAATCTCGGGGATTTGCTG
 AGTTTCAGAGGAGACACAGTATGCAGACCCAGTCAGAATGGAATGGTCCGAGTATCTGTACCACTCAGCA
 GGTCAAGCACAACAACGAGTGCCGGGATGTGAGCAGCGTGTCTGGTGTCTCTTTGAGAACGGGAAT
 ATAGCTGTGTGGCAGTCCAGCTGCCATTCGTGGGGAAGGAGTCCATCTCTTCAAGCAACTATTGAGT
 CAGGAATCAGCTCCCCAGTGTGTTTGGTGGGAATATGAGCACAATAATAGGAAAATGAGTGGCCT
 TATTGTGGCAGTGTGTTTGGACCTGAAAAATCTCCCTGTCAATCTCAAAGCAGTGAAGGCTACTTT
 ACTTTAAGGCAGCCTGTGTCTGTGAAAGAAATGGACAAGTTACCTGTGCACAGCATCAAAATGTGTGC
 CACTTTACCACCCCTACCAGAAGTGTAGCTTAGCTTAGTGGTAGCTGCAAGAGGCTCCTATGTGTTTG
 GTGTCTTCTGATCTCCAAGGCAGGTCTGAATGTTTCAAAATCCACAGTACAGGCCTCCACTACTG
 CCCATCGTCTCCATTACTGCAGACAAGCAGAATGGAACAGTGTACACCTGCTCTAGTGATGGGAAGGTGA
 GGCAGTTGATTCCATTTTACAGATGTTGCATTAAGTGTGAACACCAGCTGATTAAGCTCTCAGATGT
 CTTTGGCTCAGTGAGGACTCACGGCATTGCAGTGAAGTCCCTGTGGTGCTTATCTGGCCATCATCACCCT
 GAGGGCATGATGAATGGCTCCATCCTGTGAATAAGAACCAGGTCAGTTTGTACTCTGAAGACCT
 TTGAAGAGGCAGCTGCTCAGCTCTGGAGTCTTCAGTTCAGAATCTTTAAGCAGGTAGACTTGATCGA
 CCTGGTCCGCTGGAAAAATTTAAAGATAAACATATTCCTCAGTTTTTACATGAAGCATTGAAAAAAG
 ATTGAAAGCAGCGGGTTACCTATTTTTGGCGTTTTAAGCTTTTCTTCTAAGGATTTTGTATCAGTCAA
 TGCAAAAATCCCTTCCGAGGCCTTATGAAACCACCCATGAGGACTCAAAAATCTTACTGGTTGACTC
 ACCTGGGATGGGCGACGGTGAGGATGAGCAGCAAGAAGAAGTACTTCCAAGCAGGGGACTAAGGCTGGC
 CTGCAGGAGAAGAGCAAAGAAGGTGACACAGAGGAGACCCTGAGGACTCACTACTGCAGGGGGAGACA
 CCGGAGGCCGTGAACCTGTAGAGGAAAAGCTCCTTGAGATCCAAGGGAAGATTGAGGCTGTGGAGATGCA
 CCTGACCAGGGAGCACATGAAGCGGGTCTGGGAGAAGTGTACCTGCACACCTGGATCACAGAGAACC
 AGCATACCACAGAGGGCTCTGTAACCTCCTGATGTCTGATGAGGATTATGATGACAGGACAGCACAGG
 TCTTGATTGGACATATCTCCAAGAAGATGAACAAACAGACCTTCCCTGAGCGCTGCAGTCTGTGTAAGGA
 GATCTTACCATTACAGATCGCAAGCAAGCTGTTTGTTCATGGGCACATCTGGCTCCGGTCTTTCTA
 ACCTACCAGTCCGAGAGCTTGATATACAGACGGTGTGTTGCTCCATGACAGCATCGCCAGGCATCCTG
 TTCAGAAGATCCTGACTGGATTAAGAGGTTGCTGCAGAGTCTTGTCTTTCTGTGATTCTCCTGTCTT
 C

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210797 representing NM_172977
Red=Cloning site Green=Tags(s)

MSEADQALVGPKADEPSPPAEEKDEGGGKEAAADAAPGPSASFRLMVTRREPAVKLQYAVSGLEPLSWSE
DHRVSVSTARSVAVLELICDVHNPGQDLVIHRTSVPAPLNSCLLKVGSKTEVAECKEFASSKDPTISQT
FMLDRMFNPEGKALPPMRGFKYTSWSPMGCDANGRCLLAALTMDNRLTVQVNLNRLQWVQLVDLTEIYGD
RLYETSYRLSKNEAPEGNLGDFAEFQRRHSMQTPVRMEWSSICTTQQVKHNECRDVSSVLLAVLFENGN
IAVWQFQLPFVKGESISSCNTIESGISSPSVLFWWEYEHNNRKMSGIIVGSAFGPVKILPVNLKAVKGYF
TLRQPVVLWKEMDKLPVHSIKCVPLYHPYQKCSCLVVAARGSYVFWCLLLISKAGLNVHNSHVTGLHSL
PIVSITADKQNGTVYTCSSDGKVRQLIPIFTDVALKFEHQLIKLSDVFGSVRTHGIAVSPCGAYLAIITT
EGMMNGLHPVNKNYQVQFVTLKTFEEAAAQLLESSVQNLFKQVDLIDLVRWKILKDKHIPQFLHEALEKK
IESSGVTYFWRFKLFLLRILYQSMQKSPSEALWKPTHEDSKILLVDSPGMGDGEDEQQEETSKQGTKAG
LQEKSKEGDTEETPEDSLTAGGDTGGREPVEEKLEIQGKIEAVEMHLTREHMKRVLGEVYLHTWITENT
SIPTRGLCNFLMSDEDYDDRTAQVLIGHISKKMNKQTFPERCSLCKEILPFTDRKQAVCSNGHIWLR CFL
TYQSCQSLIYRRCLLHDSIARHPVPEDPDWIKRLLQSPCPFCDSPVF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_172977.3](#), [NP_766565.2](#)

RefSeq Size: 7021 bp

RefSeq ORF: 2454 bp

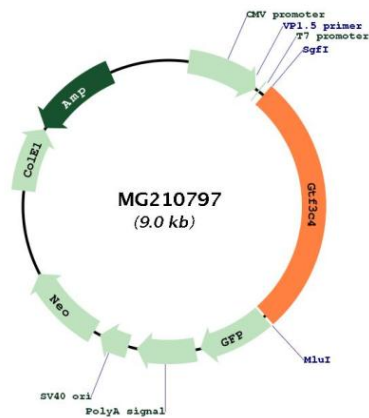
Locus ID: 269252

UniProt ID: [Q8BMQ2](#)

Cytogenetics: 2 A3

Gene Summary: 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]

Product images:



Circular map for MG210797