

Product datasheet for **MC211964**

Gtf2a1 (NM_175335) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf2a1 (NM_175335) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gtf2a1
Synonyms: 6330549H03Rik; AA536742; AA959775; AW060250; Tfii1; TfiiAa/b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211964 representing NM_175335
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAACAAAACTTTGTGGGAGAATAAACTAATGCAGTCTAGGGCAGTAGATGGATTTTCATTAGAAG
AACAGCAGCTTTTGTGCAAGTTCAGCAGCAGCATCAACCCAGCAGCAGCAGCATCACCACCACCA
CCAGCACCAGCAAGCGCAACCTCAGCAAACGGTACCTCAGCAAGCACAGCCAGCAGGTCCTCATTCT
GCATCCCAGCAAGCTACAGCACCACAAGTTATTGTTCTGATTCTAAGTTGCTACAACATATGAATGCAT
CAAGTATTACGAGTGCTGCTACAGTCTACCTTGGCACTGCCTGCAGGAGTGACTCCGGTTCAACA
GCTACTAACAAATTCAGGCCAGCTGCTTCAAGTGGTCAGAGCAGCAATGGTGCCAGTATATCTTGAG
CCTCAGCAGTCAGTTGTTCTACAACAACAAGTTATACCACAAATGCAGCCTGGTGGAGTCCAAGCTCCTG
TTATCCAGCAGGCTTAGCCCCACTTCTGGAGGGATTTACCACAGACAGGCGTCATCATCCAGCCACA
GCAAATCTTATTTACAGGAAATAAGACTCAGGTCATTCTACAACAGTGGCAGCACCCGCCCGGCACAA
GCGCCGATGCCTGCAGCCGGACAGCAGCAGCCACAGGCCAGCTGCCAACAGCAAGCTCCGTTGGTGC
TGCAAGTTGATGGAACAGGGGATACATCTTCTGAGGAAGATGAAGATGAAGAAGAAGACTATGATGATGA
TGAGGAAGAAGATAAAGAGAAAGATGGAGCTGAAGATGGCAGGTTGAAGAAGAGCCGCTCAACAGCGAG
GATGACGTCAGTGACGAGGAAGGCAGGAATCTTTGACACTGAGAATGTTGTCGTCTGCCAGTATGATA
AGATACACAGAAGTAAAAATAAATGAAATTTTCATCTCAAGGATGGCATTATGAATCTTAACGGAAGAGA
TTATATATTTTCCAAAGCCATTGGAGATGCAGAGTGGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175335



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Insert Size:	1020 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_175335.3 , NP_780544.1
RefSeq Size:	5691 bp
RefSeq ORF:	1020 bp
Locus ID:	83602
UniProt ID:	Q99PM3
Cytogenetics:	12
Gene Summary:	<p>TFIIA is a component of the transcription machinery of RNA polymerase II and plays an important role in transcriptional activation. TFIIA in a complex with TBP mediates transcriptional activity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences in the presence and absence of exons at its 5' end, compared to variant 1. These differences produce a unique 5' UTR and cause translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform 2) is shorter than isoform 1.</p>