

Product datasheet for MC211965

Gtf2a1 (NM_031391) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf2a1 (NM_031391) 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: >MC211965 representing NM_031391
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAACTCGGCAAACACAAACACCGTGCCTAAATTGTATAGATCTGTGATTGAAGATGTTATTAATG
 ACGTACGAGACATTTTTCTGGATGACGGAGTGGATGAACAAGTCCTGATGGAACAAAACTTTGTGGGA
 GAATAAACTAATGCAGTCTAGGGCAGTAGATGGATTTTCATTTCAGAAGAACAGCAGCTTTTGTGCAAGT
 CAGCAGCAGCATCAACCCAGCAGCAGCAGCATCACACCACCACCACCAGCACCAGCAAGCGCAACCTC
 AGCAAACGGTACCTCAGCAAGCAGACCCAGCAGGTCCTCATTCTGCATCCCAGCAAGCTACAGCACC
 ACAAGTTATTGTTCTGATTCTAAGTTGCTACAACATATGAATGCATCAAGTATTACGAGTGTGCTGCT
 ACAGCTGCTACCTGGCACTGCCTGCAGGAGTACTCCGGTTCAACAGCTACTAACAAATTCAGGCCAGC
 TGCTTCAGGTGGTCAGAGCAGCCAATGGTGCCAGTATATCTTGCAGCCTCAGCAGTCAGTTGTTCTACA
 ACAACAAGTTATACCACAAATGCAGCCTGGTGGAGTCCAAGCTCCTGTTATCCAGCAGGTCTTAGCCCCA
 CTTCTGGAGGGATTTACCACAGACAGGCGTCATCATCCAGCCACAGCAATCTTATTTACAGGAAATA
 AGACTCAGGTCATTCTACAACAGTGGCAGCACCCGCCGCAAGCGCCGATGCCTGCAGCCGGGACA
 GCAGCAGCCACAGGCCAGCCTGCCAACAGCAAGCTCCGTTGGTGTGCAAGTTGATGGAACAGGGGAT
 ACATCTTCTGAGGAAGATGAAGATGAAGAAGAAGACTATGATGATGATGAGGAAGAAGATAAAGAGAAAG
 ATGGAGCTGAAGATGGCAGGTGGAAGAAGAGCCGCTCAACAGCGAGGATGACGTCAGTGACGAGGAAGG
 GCAGGAACTCTTTGACACTGAGAATGTTGTCGTCTGCCAGTATGATAAGATACACAGAAGTAAAAATAAA
 TGGAAATTTTCATCTCAAGGATGGCATTATGAATCTTAACGGAAGAGATTATATTTTTCAAAGCCATTG
 GAGATGCAGAGTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_031391
Insert Size:	1137 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:	<u>NM_031391.2</u> , <u>NP_113568.2</u>
RefSeq Size:	5704 bp
RefSeq ORF:	1137 bp
Locus ID:	83602
UniProt ID:	<u>Q99PM3</u>
Cytogenetics:	12
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).