

## Product datasheet for **SC308068**

### GTF2A1 (NM\_201595) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2A1 (NM_201595) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF2A1
Synonyms:	TF2A1; TFIIA; TFIIA-42; TFIIAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308068 representing NM_201595. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAACTAAAACTTTATGGGAAAACAAACTAAATGCAGTCCAGGGCAGTAGATGGATTTTCATTCAGAA
GAGCAGCAGCTTCTACTGCAAGTTCAACAGCAGCATCAACCCAGCAGCAGCAGCATCACCACCATCAC
CATCATCAGCAAGCTCAGCCTCAGCAGACAGTACCTCAGCAAGCGCAGACCCAGCAGGTTCTTATTCCT
GCATCACAGCAAGCCACAGCACCACAAGTTATTGTTCCAGATTCTAAGTTGATACAGCATATGAATGCA
TCAAACATGAGTGCTGCTACAGCTGCTACCTTAGCACTCCCTGCAGGTGTACTCCTGTTCCAGCAG
ATATTAACAAATTCAGGCCAGCTTCTTCAGGTGGTCAGAGCAGCCAATGGTGCCCAATATATCTTTCAG
CCTCAGCAGTCAGTGGTTCTACAACAACAGGTTATACCACAAATGCAGCCTGGTGGAGTACAAGCTCCT
GTTATACAGCAGGTGCTGGCTCCTCTTCTGGAGGGATTTACCACAGACAGGTGTCATCATCCAGCCT
CAGCAATCTTATTTACAGGAAATAAGACTCAAGTTATACCTACGACAGTGGCAGCACCTACACCAGCC
CAAGCACAGATAACTGCAACTGGCCAGCAGCAACCGCAGGCCAGCCTGCCTAAACACAAGCTCCATTG
GTCTTACAAGTTGATGGAACTGGGGATACATCATCTGAAGAAGATGAAGATGAAGAAGAAGACTATGAT
GATGATGAGGAGGAAGACAAAGAGAAAGATGGAGCTGAAGATGGGCAGGTGGAAGAAGAGCCCTCAAT
AGTGAAGATGATGTGAGTGATGAGGAAGGACAGGAACTCTTTGACACAGAAAATGTTGTTGATGCCAA
TATGATAAGATACACAGAAGTAAAAACAAATGGAAATTTCAATCTCAAGGATGGCATTATGAATCTTAAT
GGAAGAGATTATATATTTTCCAAGCCATTGGAGATGCAGAATGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_201595



<b>Insert Size:</b>	1014 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_201595.2</a>
<b>RefSeq Size:</b>	5956 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	2957
<b>UniProt ID:</b>	<a href="#">P52655</a>
<b>Cytogenetics:</b>	14q31.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>MW:</b>	37.2 kDa
<b>Gene Summary:</b>	<p>Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and several general initiation factors (summarized by DeJong and Roeder, 1993 [PubMed 8224848]). One of these factors is TFIIA, which when purified from HeLa extracts consists of 35-, 19-, and 12-kD subunits.[supplied by OMIM, Jul 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter 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>