

## Product datasheet for **RN205556**

### **Gtf3a (NM\_001113570) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3a (NM_001113570) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gtf3a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205556 representing NM_001113570 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

CTGGAGCCGCGGGTCTCGGTTCGCGGAAGCGGTGTCGTCCTGACCATCGCGGACGCGTTCGTTCCGGCCT  
GTGTGGGCCCCGCCCCGCGCCCGCTCCCCAGCAGTTTCATCTGCTCCTTCTGACTGCAGCGC  
TAGTTACAACAAAGCCTGGAAGCTAGACGCGCACCTCTGCAAGCACACGGGGGAGAGCCGTTTCGTTTGT  
GACTATGAGGGCTGTGGCAAAGCCTTCATCAGGGACTACCATCTGAGTCGACACATCCTGATTCACACCG  
GAGAAAAGCCATTTGTTGTGCAGATAATGGCTGTAATCAGAAATTCAGCACAAAGTCAAACCTGAAGAA  
ACACATTGAACGCAAACATGAAAATCCACAAAAACAGTATGTGTGCAATTTGAAGGTTGCAAGAAGGCC  
TTTAAGAAGCACCAGCAGCTGAGAACCATCAGTGCCAGCACACAAATGAGCCACTCTTCAGGTGTACCC  
ACGAGGGATGTGGGAAGCACTTTCCTCCCCAGCAGGCTGAAACGGCATGGGAAGTTACAGAGGGCTA  
CCTATGTCAAAGGGATGTTCTTTGTGGGAAAAACGTGGACAGAGCTTCTGAAGCACACGAGAGAAGCC  
CATAAAGAGGAGGTGACCTGCACAGTGTCCAGAAGATGTTCAAGCGCAAAGATCACCTAAGCAGCACA  
TGAAGACTCACGCTCCGAGAGGGATGTGTACCCTGCCGCGGGAAGGCTGTGCAAGGACCTACACCAC  
CGTGTTCAACCTGCAGAGCCACATTCTCCTTCCACGAGGAAAAGCGCCATTTGTGTGTGAGCAGCCT  
GGCTGTGGCAAGACGTTTGAATGAAACAAAGTCTCATGAGGCACAGTGTGTCGACGATCCTGACAAGA  
AGAGGATGAAGCTCAAAGTTAGACCACCTCGGGAGAGACGCAGCTTGGCCTCGCGCCTCAGCGGGTACGT  
CCCTCCTAAGGGGAAACAAGAGCCCAGCTGCTCCTTGCCTAACAGCACAGAGTCCAGCAGCAGCCAGAG  
GCCACGATGCTCGCCCCAGCTGCGTTACTTACTGTCCAC**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_001113570
Insert Size:	1092 bp



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<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>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>	<u><a href="#">NM_001113570.1</a></u> , <u><a href="#">NP_001107042.1</a></u>
<b>RefSeq Size:</b>	1349 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	246299
<b>UniProt ID:</b>	<u><a href="#">Q8VHT8</a></u>
<b>Cytogenetics:</b>	12p11
<b>Gene Summary:</b>	The product of this gene is a zinc finger protein with nine Cis[2]-His[2] zinc finger domains. It functions as an RNA polymerase III transcription factor to induce transcription of the 5S rRNA genes. The protein binds to a 50 bp internal promoter in the 5S genes called the internal control region (ICR), and nucleates formation of a stable preinitiation complex. This complex recruits the TFIIC and TFIIB transcription factors and RNA polymerase III to form the complete transcription complex. The protein is thought to be translated using a non-AUG translation initiation site in mammals based on sequence analysis, protein homology, and the size of the purified protein. [provided by RefSeq, Jul 2008]