

Product datasheet for **RR205556**

Gtf3a (NM_001113570) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf3a (NM_001113570) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gtf3a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR205556 representing NM_001113570
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

CTGGAGCCGCGGGTCTCGGTTCGGGAAGCGGTGTCTGCCCTGACCATCGCGGACGCGTTCGTTCCGGGCT
GTGTGGGCCCCGCCCCGCGCGCCCCGCGCTCCCCAGCAGGTTTCATCTGCTCCTTTCCTGACTGCAGCGC
TAGTTACAACAAAGCCTGGAAGCTAGACGCGCACCTCTGCAAGCACACGGGGAGAGGCCGTTTCGTTTGT
GACTATGAGGGCTGTGGCAAAGCCTTCATCAGGGACTACCATCTGAGTCGACACATCCTGATTACACCCG
GAGAAAAGCCATTTGTTTGTGCAGATAATGGCTGTAATCAGAAATTCAGCACAAGTCAAATTTGAAGAA
ACACATTGAACGCAAACATGAAAATCCACAAAAACAGTATGTGTGCAATTTTGAAGGTTGCAAGAAGGCC
TTTAAGAAGCACCAGCAGCTGAGAACCATCAGTGCCAGCACACAATGAGCCACTCTTCAGGTGTACCC
ACGAGGGATGTGGGAAGCACTTTCCTCCCCAGCAGGCTGAAACGGCATGGGAAGGTTACGAGGGCTA
CCTATGTCAAAGGGATGTTCTTTGTGGGAAAAACGTGGACAGAGCTTCTGAAGCACACGAGAGAAGCC
CATAAAGAGGAGGTGACCTGCACAGTGTCCAGAAGATGTTCAAGCGCAAAGATCACCTTAAGCAGCACA
TGAAGACTCACGCTCCGAGAGGGATGTGTACCGCTGCCCGGGGAAGGCTGTGCAAGGACCTACACCAC
CGTGTTC AACCTGCAGAGCCACATTCCTCCTCCACGAGGAAAAGCGCCATTGTGTGTGAGCAGCGT
GGCTGTGGCAAGACGTTTGAATGAAACAAAGTCTCATGAGGCACAGTGTCTGTCACGATCCTGACAAGA
AGAGGATGAAGCTCAAAGTTAGACCACCTCGGGAGAGACGAGCTTGGCCTCGCGCCTCAGCGGGTACGT
CCCTCCTAAGGGGAAAACAAGAGCCCAGCTGCTCCTTGCCTAACAGCACAGAGTCCAGCAGCAGCCAGAG
GCCACGATGCTCGCCCCAGCTGCGTTACTTACTGTCCAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

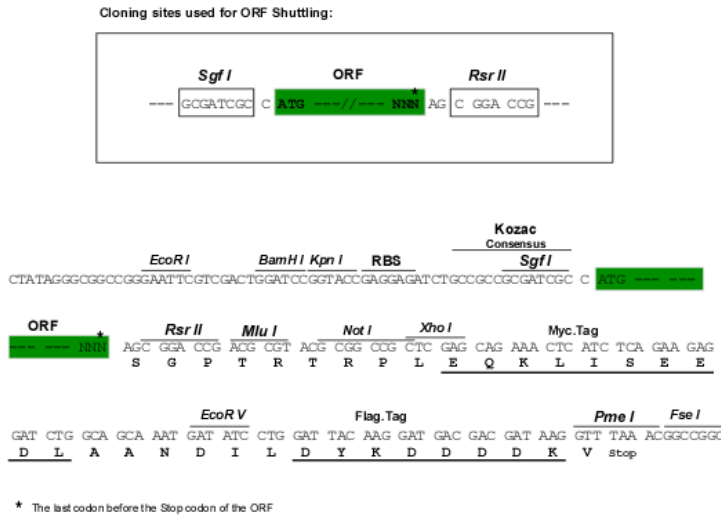
Protein Sequence: >RR205556 representing NM_001113570
 Red=Cloning site Green=Tags(s)

LEPRVSAEAVSSLTIADAFVRACVGPAPRRPALPSRFICSPDCSASYNKAWKLD AHLCKHTGERPFVC
 DYEGCGKAFIRDYHL SRHIL IHTGEKPFV CADNGCNQKFSTKSNLKKHIERKHENPQKQYVCNFEGCKKA
 FKKHQQLRTHQCQHTNEPLFRCTHEGCGKHFASPSRLKRHGKVHEGYLCQKGC SFVGKTWTELLKHTREA
 HKEEVTCTVCQKMFKRKDHLKQHMKTHAPERDVYRCPREGCARTYTTVFNLQSHILSFHEEKRPVCEHA
 GCGKTFAMKQSLMRHSVVHDPDKKRMKLVKVRPPRRRSLASRLSGYVPPKKGQEPDCSLPNSTESSSSPE
 ATMLAPAALLTVH

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001113570

ORF Size: 1089 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001113570.1](#), [NP_001107042.1](#)

RefSeq Size: 1349 bp

RefSeq ORF: 1092 bp

Locus ID: 246299

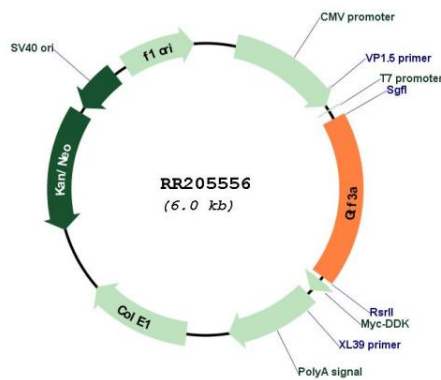
UniProt ID: [Q8VHT8](#)

Cytogenetics: 12p11

MW: 41.4 kDa

Gene Summary: 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]

Product images:



Circular map for RR205556