

## Product datasheet for **RC225554**

### GTF3A (NM\_002097) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GTF3A (NM_002097) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GTF3A
Synonyms:	AP2; TFIIIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225554 representing NM_002097 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

CTGGATCCGCCGGCCGTGGTCGCCGAGTCGGTGTCTGCTCCTTGACCATCGCCGACGCGTTCATTGCAGCCG  
GCGAGAGCTCAGCTCCGACCCCGCCGCGCCCGCGCTTCCAGGAGGTTTCATCTGCTCCTCCCTGACTG  
CAGCGCAATTACAGCAAAGCCTGGAAGCTTGACGCGCACCTGTGCAAGCACACGGGGGAGAGACCATT  
GTTTGTGACTATGAAGGGTGTGGCAAGGCCTTCATCAGGGACTACCATCTGAGCCGCCACATTCTGACTC  
ACACAGGAGAAAAGCCGTTTGTGGTGCAGCCAATGGCTGTGATCAAAAATCAACACAAAATCAAACCT  
GAAGAAACATTTGAACGCAAACATGAAAATCAACAAAACAATATATATGCAGTTTTGAAGACTGTAAG  
AAGACCTTAAAGAAACATCAGCAGCTGAAAATCCATCAGTGCCAGCATACCAATGAACCTCTATTCAAGT  
GTACCCAGGAAGGATGTGGGAAACACTTTCATCACCCAGCAAGCTGAAACGACATGCCAAGGCCACGA  
GGGCTATGTATGTCAAAAAGGATGTTCCCTTGTGGCAAAAACATGGACGGAACCTCTGAAACATGTGAGA  
GAAACCCATAAAGAGGAAATACTATGTGAAGTATGCCGAAAACATTTAAACGCAAAGATTACCTTAAGC  
AACACATGAAAACATGCCCCAGAAAGGATGTATGTCGCTGTCCAAGAGAAGGCTGTGGAAGAACCTA  
TACAACTGTGTTAATCTCCAAAGCCATATCCTCTCCTCCATGAGGAAAGCCGCCCTTTGTGTGTGAA  
CATGTGGCTGTGGCAAAACATTTGCAATGAAACAAAGTCTCACTAGGCATGCTGTTGTACATGATCCTG  
ACAAGAAGAAAATGAAGCTCAAAGTCAAAAATCTCGTGAAAACGGAGTTTGGCCTCTCATCTCAGTGG  
ATATATCCCTCCAAAAGGAAACAAGGGCAAGGCTTATCTTTGTGTCAAAACGGAGAGTACCCAACTGT  
GTGGAAGACAAGATGCTCTCGACAGTTGACAGTACTACCTTGGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**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\\_002097.3](#)

**RefSeq Size:** 1404 bp

**RefSeq ORF:** 1098 bp

**Locus ID:** 2971

**UniProt ID:** [Q92664](#)

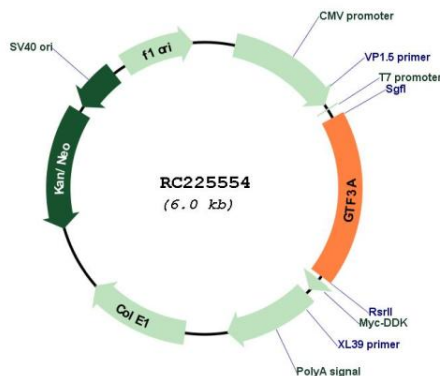
**Cytogenetics:** 13q12.2

**Protein Families:** Transcription Factors

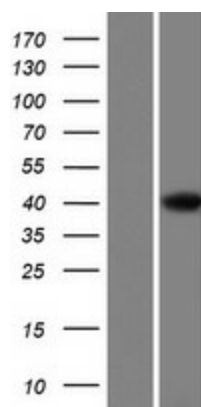
**MW:** 41.5 kDa

**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 TFIIIC and TFIIIB 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 RC225554



Western blot validation of overexpression lysate (Cat# [LY429087]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225554 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).