

Product datasheet for **MG201406**

Gtf3a (BC032292) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf3a (BC032292) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gtf3a
Synonyms: 2010015D03Rik; 2610111I01Rik; 5330403M05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201406 representing BC032292
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAAAAACGTGGACAGAGCTTCTGAAACACATGAGAGAAGCCATAAAGAGGACATAACCTGCAACG
TATGTCAGAGGATGTTCAAGCGCAGAGATTACCTTAAGCAGCACATGAAGACTCACGCCCCGAAAGGGA
TGTGTACCGCTGCCGCGCAAGGCTGCGGAAGAACCTACACAACCGTGTCAACCTGCAGAGCCACATT
CTCTCCTCCACGAGGAAAAGCGCCATTTGTGTGTGAGCAGCGTGGCTGTGGCAAGACATTCGCAATGA
AACAGAGTCTCATGAGGCACAGTGTCTGCACGATCCCGACAAGAAGAGGATGAAGCTCAAAGTAAGAGC
CCCTCGGAGAGACGCAGCTTGGCTCTCGCCTCAGTGGTACTTCCCTCCTAAGAGGAAACAAGAGCCC
GACTACTCCTTGCCCTAACGCCAGCGCAGAGTCCAGCAGCAGTCCAGAGGCCAGCTGCCCCGCCAGCCA
CCTTACTCACTGTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201406 representing BC032292
Red=Cloning site Green=Tags(s)

MGKTWTELLKHMREAHKEDITCNVCQRMFKRRDYLKQHMKTHAPERDVYRCPRQCGGRTYTTFNLSQSHI
LSFHKEKRPFVCEHAGCGKTFAMKQSLMRHSVVHDPDKKRMKLKVRAPRERRSLASRLSGYFPKPKQEP
DYSLPNASAESSSSPEAQLPPPATLLTV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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| 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>BC032292</u> , <u>AAH32292</u> |
| RefSeq Size: | 996 bp |
| RefSeq ORF: | 509 bp |
| Locus ID: | 66596 |
| Cytogenetics: | 5 G3 |
| 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] |