

## Product datasheet for **MG219093**

### Gtf2e2 (NM\_001167922) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Gtf2e2 (NM_001167922) Mouse Tagged ORF Clone                                   |
| Tag:                      | TurboGFP   |
| Symbol:                   | Gtf2e2   |
| Synonyms:                 | 34kDa; AI462509; C330006J08Rik   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >MG219093 representing NM_001167922<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCCAAGCCTATTGAGAGATCGAGAGCTGTTCAAAAAACGAGCTCTTCCACTCCTGTGGTAGAAA  
AACGTGCTGTGCCTTCTGAGTCACCCCTCCTCCTCATCCAAGAAGAAGGCAAAAGTCGAACATGG  
AGGATCCTCAGGCTCTAAACAAAATTCAGATCATAACAATGGATCATTTAACTTGAAAGCTCTGTCTGGA  
AGCTCTGGATATAAGTTCGGTGTCTTGCTAAGATTGTGAATTATGAAAACACGACATCAGCGGGGAG  
ATACACATCCTCTAACGTTGGAAGAGATTCTGGATGAGACACAGCACTTAGACATCGGACTCAAGCAGAA  
ACAGTGGCTGATGACGGAGGCTTTAGTCAACAATCCTAAAATTGAAGTAGTGGATGGGAAATATGCCTTC  
AAACCTAAGTACAACCTTGAAAGATAAGAAGGCCCTGCTTAGGCTTTTAGACAATCATGACCAGCGGGGAC  
TAGGAGGAATTCTCTTAGAAGACATAGAAGAGGGACTGCCTAATCCCAGAAAAGCTGTCAAGGCTTTAGG  
GGACCAGATACTATTTGTAAGTCGTCCTGATAAGAAGAAAATACTATTCTTCAATGATAAAAAGCTGTGAG  
TTTTCTGTGGATGAAGAATTCAGAAAAGTGGAGGAGTGTCACTGTGGATTCAATGGATGAGGAGAAAA  
TTGAAGAGTATCTGAAGCGACAGGGTATTTCTTCATGCAGGAATCTGGACCAAGAAAAGTGGCCTCTAT  
TCAGAGAAGGAAAAAGCCTGCTTCACAGAAAAAGCGACGGTTTAAAGACTACAATGAACACTTGGCTGGA  
GTGCTGAAGGATTACTCGGACATTACCCGGGCAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG219093 representing NM\_001167922  
 Red=Cloning site Green=Tags(s)

MDPSLLRDRELFKKRALSTPVVEKRAVPSESPSSSSSKKKKAKVEHGGSSGSKQNSDHNNGSFNLKALSG  
 SSGYKFGVLAKIVNYMKTRHRQGDTHPLLEEILDDETQHLDIGLKQKQWLMTALVNNPKIEVVDGKYAF  
 KPKYNLKDKKALLRLLDNHDQRGLGGILLEDIEEGLPNSQKAVKALGDQILFVSRPDKKILFFNDKSCQ  
 FSVDEEFQKLWRSYTVDSMDEEKIEEYLKRQGISMQESGPKKVASIQRRKKPASQKRRFKTHNEHLA  
 VLKDYSDIPTGK

TRTRPLE - GFP Tag - V

**Restriction Sites:**

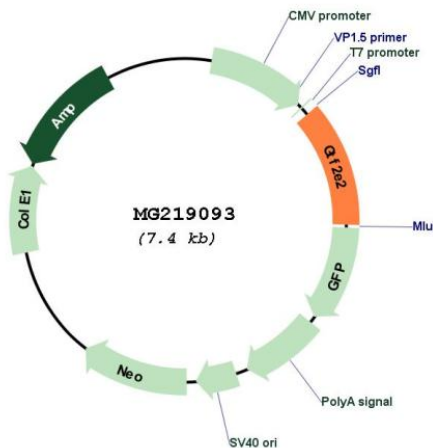
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001167922

**ORF Size:** 876 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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_001167922.1</a> , <a href="#">NP_001161394.1</a>   |
| <b>RefSeq Size:</b>           | 1664 bp   |
| <b>RefSeq ORF:</b>            | 879 bp  |
| <b>Locus ID:</b>              | 68153   |
| <b>UniProt ID:</b>            | <a href="#">Q9D902</a>  |
| <b>Cytogenetics:</b>          | 8 A4  |
| <b>Gene Summary:</b>          | Recruits TFIIH to the initiation complex and stimulates the RNA polymerase II C-terminal domain kinase and DNA-dependent ATPase activities of TFIIH. Both TFIIH and TFII E are required for promoter clearance by RNA polymerase (By similarity).[UniProtKB/Swiss-Prot Function]  |