

## Product datasheet for MR218407

### Gtf2e2 (NM\_001167921) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2e2 (NM_001167921) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2e2
Synonyms:	34kDa; AI462509; C330006J08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218407 representing NM_001167921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCAAGCCTATTGAGAGATCGAGAGCTGTTCAAAAAACGAGCTCTTCCACTCCTGTGGTAGAAA  
AACGTGCTGTGCCTTCTGAGTCACCCCTCCTCCTCATCCAAGAAGAAGAAGGCAAAAGTCGAACATGG  
AGGATCCTCAGGCTCTAAACAAAATTCAGATCATAACAATGGATCATTTAACTTGAAAGCTGTCTGGA  
AGCTCTGGATATAAGTTCGGTGTCTTGCTAAGATTGTGAATTATGAAAACACGACATCAGCGGGGAG  
ATACACATCCTCTAACGTTGGAAGAGATTCTGGATGAGACACAGCACTTAGACATCGGACTCAAGCAGAA  
ACAGTGGCTGATGACGGAGGCTTTAGTCAACAATCCTAAAATTGAAGTAGTGGATGGGAAATATGCCTTC  
AAACCTAAGTACAACCTTGAAAGATAAGAAGGCCCTGCTTAGGCTTTTAGACAATCATGACCAGCGGGGAC  
TAGGAGGAATTCTCTTAGAAGACATAGAAGAGGGACTGCCTAATCCCAGAAAAGCTGTCAAGGCTTAGG  
GGACCAGATACTATTTGTAAGTCGCTCTGATAAGAAGAAAATACTATTCTTCAATGATAAAAAGCTGTGAG  
TTTTCTGTGGATGAAGAATTCAGAAAATGTGGAGGAGTGTCACTGTGGATTCAATGGATGAGGAGAAAA  
TTGAAGAGTATCTGAAGCGACAGGGTATTTCTTCATGCAGGAATCTGGACCAAAGAAAGTGGCCTCTAT  
TCAGAGAAGGAAAAAGCCTGCTTCACAGAAAAAGCGACGGTTTAAAGACTCACAATGAACACTTGGCTGGA  
GTGCTGAAGGATTACTCGGACATTACCCGGGCAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218407 representing NM\_001167921  
 Red=Cloning site Green=Tags(s)

MDPSLLRDRELFKKRALSTPVVEKRAVPSESPSSSSSKKKKAKVEHGGSSGSKQNSDHNNGSFNLKALSG  
 SSGYKFGVLAKIVNYMKTRHQGDTHPLLEEILDETQHLDIGLKQKQWLMTEALVNNPKIEVVDGKYAF  
 KPKYNLKDKKALLRLLDNHDQRGLGGILLEDIEEGLPNSQKAVKALGDQILFVSRPDKKILFFNDKSCQ  
 FSVDEEFQKLWRSVTVDSDMEEKIEEYLKRQGISMQESGPKKVASIQRRKKPASQKRRFKTHNEHLA  
 VLKDYSIDITPGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001167921

**ORF Size:** 876 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\\_001167921.1](#), [NP\\_001161393.1](#)

**RefSeq Size:** 1562 bp

**RefSeq ORF:** 879 bp

**Locus ID:** 68153

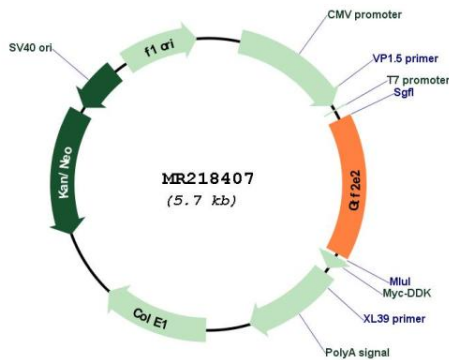
**UniProt ID:** [Q9D902](#)

**Cytogenetics:** 8 A4

**MW:** 33.5 kDa

**Gene Summary:** 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 TFIIIE are required for promoter clearance by RNA polymerase (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218407