

## Product datasheet for **MR207009**

### **Gtf2e1 (NM\_028812) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gtf2e1 (NM_028812) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2e1
Synonyms:	56kDa; 2610024P03Rik; AI303800; FE; TFIIE-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207009 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGACCCAGATGTTCTCACTGAAGTTCGGCGGCATTGAAGCGGCTAGCCAAGTATGTCATCCGGG  
 GCTTTTATGGCATTGAGCACGTGTGGCCTTGGACATCTTGATCCGGAACCCCTGTGTAAGAAGAGGA  
 CATGCTGGAGCTGCTCAAGTTTGTATCGGAAGCAACTTCGATCCGTTTTGAATAATTTAAAGGAGACAAG  
 TTCATCAAATGCAGAATGAGGGTAGAGACTGCTGCAGATGGGAAGACCACCCGCCATAACTACTTCA  
 TCAATTACCGCACTTTGTTAATGTAGTGAAATATAAGCTGGACCACATGAGAAGAAGGATTGAAACAGA  
 TGAGAGAAATCCACCAATCGGGCTTCTTCAAATGTCCTGTCTGCTGCAGCACTTTCCTGACCTAGAA  
 GCCAATCAACTGTTTGTCCCATGACAGGAACCTTCGCTGCACCTTTTCCATACAGAGGTAGAAGAAG  
 ATGAATCAGCAATGCCCAAAAAGATGCTCGCACGCTTTTGGCAAGATTTAATGAACAAATTGAGCCCAT  
 TTATGCATTGCTTCGGGAGACAGAGGATGTAACCTTGGCCTATGAAATACTTGAACCAGAACCCACAGAA  
 ATCCCAGCACTGAAGCAAGCAAGGACCGAGCAGCAACTGCTGCTGGAGCTGCTGGCCTGGCAGGTGGGC  
 ACCACCGAGAGCGTGGACCAACAAGGCCCTCGTATGAGGACTTGTATACTCAGAATGTTGTCATTAA  
 CATGGATGATCAAGATGATGTGCATCGCCCTCGCTGGAAGGAAAGCTGCCAAAGAGAGACCCATTTGG  
 TTGAGAGAGAGCACTGTCCAAGGGGCATACAGTTCTGAAGAGATGAAGGAAGGTGGCATCGATGTGGACA  
 CATTTCAGGAGCGCAGGAAGCCCGTGGGGCCCTGATGACAATGAGGAGGTGATGCGAGCTTACTCAT  
 TCATGAGAAGAAGACTTCTCGGTGACAGCTGGCTCTGTGGGAGCAGCCGCTCCGGTGACAGCTGCTAAT  
 GGCAGTGACTCTGAGAGTGAGACCAGCGAGTCAGATGACTCTCCACCTCGCCAGCAGCTGCGGCTC  
 CTCCTCATCATCGCGATGAAGATGAGGAAGACGAGGAGTTTGAAGGAAGTAGCAGATGACCCATTGT  
 TATGGTGGCTGGCTGTCCATTTTCTACAGTGAAGTTAGCCAGCGCCGGAGCTGGTGGCCAGATGACC  
 CCAGAAGAGAAGGAAGCATACATAGCCATGGGCCAGCGTATGTTTGGAGTCTCTTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207009 protein sequence  
 Red=Cloning site Green=Tags(s)

MADPDVLTEVPAALKRLAKYVIRGFYIEHVLALDILIRNPCVKEEDMLELLKFDRKQLRSVLNLLKGDK  
 FIKCRMVETAADGKTRHNYFINYRTLNVVVKYKLDHMRRIETDERNSTNRASFKCPVCCSTFDLE  
 ANQLFDPMTGFRCTFCHTEVEEDESAMPKKDARTLLARFNEQIEPIYALLRETEDVNLAYEILEPEPTE  
 IPALKQSKDRAATAAGAAGLAGGHHREAWTNKGPSYEDLYTQNVVINMDDQDDVHRPSLEGKAAKERPIW  
 LRESTVQGAYSSEEMKEGGIDVDTFQEREERAGPDDNEEVMRALLIHEKKTSSVTAGSVGAAAPVTAAN  
 GSDSESETSESDSPPRPAAPPHHHRDEDEEDEFEEVADDPIMVAGCPF SYSEVSQRPELVAQMT  
 PEEKEAYIAMGQRMFEDLFE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_028812

**ORF Size:** 1323 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\\_028812.4](#)
**RefSeq Size:** 3058 bp

**RefSeq ORF:** 1323 bp

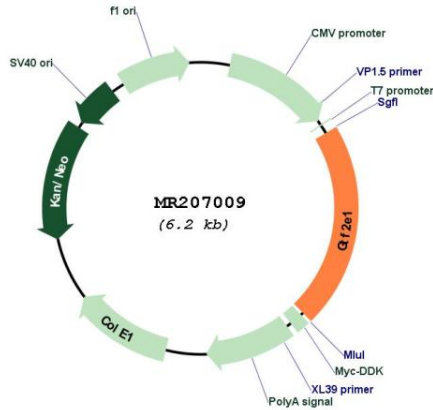
**Locus ID:** 74197

**UniProt ID:** [Q9D0D5](#)
**Cytogenetics:** 16 B3

**MW:** 49.6 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.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207009