

## Product datasheet for **MG207009**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2e1 (NM_028812) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gtf2e1
Synonyms:	56kDa; 2610024P03Rik; AI303800; FE; TFIIE-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207009 representing NM_028812 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGACCCAGATGTTCTCACTGAAGTTCGGCGGCATTGAAGCGGCTAGCCAAGTATGTCATCCGGG  
GCTTTTATGGCATTGAGCACGTGTTGGCCTTGGACATCTTGATCCGGAACCCCTGTGTAAGAAGAGGA  
CATGCTGGAGCTGCTCAAGTTTGTATCGGAAGCACTTCGATCCGTTTTGAATAATTTAAAGGAGACAAG  
TTCATCAAATGCAGAATGAGGGTAGAGACTGCTGCAGATGGGAAGACCACCGCCATAACTACTACTTCA  
TCAATTACCGCACTCTTGTTAATGTAGTAAATAAAGCTGGACCACATGAGAAGAAGGATTGAAACAGA  
TGAGAGAAATCCACCAATCGGGCTTCCTTCAAATGTCCTGTCTGCTGCAGCACTTTCACCTGACCTAGAA  
GCCAATCAACTGTTTGTATCCCATGACAGAACTTTCGGCTGCACCTTTTGCCATACAGAGGTAGAAGAAG  
ATGAATCAGCAATGCCCAAAAAGATGCTCGCACGCTTTTGGCAAGATTTAATGAACAAATTGAGCCCAT  
TTATGCATTGCTTCGGGAGACAGAGGATGTAACTTGGCCTATGAAATACTTGAACCAGAACCCACAGAA  
ATCCCAGCACTGAAGCAAAGCAAGGACCGAGCAGCAACTGCTGCTGGAGCTGCTGGCCTGGCAGGTGGGC  
ACCACCGAGAGGCGTGGACCAACAAAGGCCCTCGTATGAGGACTTGATACTCAGAATGTTGTCATTAA  
CATGGATGATCAAGATGATGTGCATCGCCCTCGCTGGAAGGGAAAGCTGCCAAAGAGAGACCCATTTGG  
TTGAGAGAGCACTGTCCAAGGGGCATACAGTTCTGAAGAGATGAAGGAAGGTGGCATCGATGTGGACA  
CATTTTCAGGAGCGGAGGAAGCCCGTGGCGGGCCTGATGACAATGAGGAGGTGATGCGAGCTCTACTCAT  
TCATGAGAAGAAGACTTCTCGGTGACAGCTGGCTCTGTGGGAGCAGCCGCTCCGGTGACAGCTGCTAAT  
GGCAGTACTCTGAGAGTGAGACCAGCGAGTCAAGTATGACTCTCCACCTCGGCCAGCAGCTGCGGCTC  
CTCCTCATCATCATCGCGATGAAGATGAGGAAGACGAGGAGTTTGAAGAGTAGCAGATGACCCCATTTGT  
TATGGTGGCTGGCTGTCCATTTTCTACAGTGAAGTTAGCCAGCGCCGGAGCTGGTGGCCAGATGACC  
CCAGAAGAGAAGGAAGCATACATAGCCATGGGCCAGCGTATGTTTGAAGTCTCTTTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207009 representing NM\_028812  
 Red=Cloning site Green=Tags(s)

MADPDVLTEVPAALKRLAKYVIRGFYGIHVLALDILIRNPCVKEEDMLELLKFDRKQLRSVLNLLKGDK  
 FIKCRMVETAADGKTRHNYFIFYNYRNLVNVVYKLDHMRRIETDERNSTNRASFKPCVCCSTFDLE  
 ANQLFDPMTGTFRCTFCHEVEEDESAMPKKDARTLLARFNEQIEPIYALLRETEDVNLAYEILEPEPTE  
 IPALKQSKDRAATAAGAAGLAGGHHREAWTNKGPSYEDLYTQNVVINMDDQDDVHRPSLEGKAAKERPIW  
 LRESTVQGAYSSEEMKEGGIDVDTFQEREERAGPDDNEEVMRALLIHEKKTSSVTAGSVGAAAPVTAAN  
 GSDSESETSESDDSPPPAAAAAPHHHRDEDEEDEFEEVADDPIMVAGCPFYSYEVSRPELVAQMT  
 PEEKEAYIAMGQRMFEDLFE

TRTRPLE - GFP Tag - V

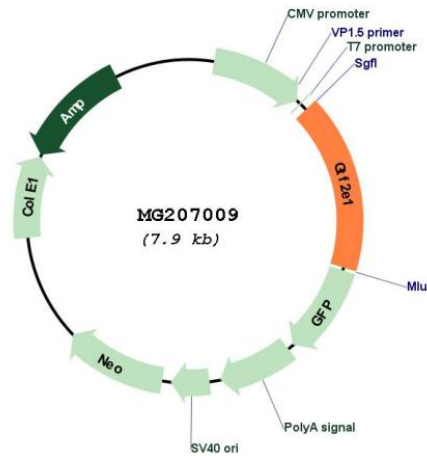
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_028812

<b>ORF Size:</b>	1320 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_028812.4</a>
<b>RefSeq Size:</b>	3060 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	74197
<b>UniProt ID:</b>	<a href="#">Q9D0D5</a>
<b>Cytogenetics:</b>	16 B3
<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.[UniProtKB/Swiss-Prot Function]