

## Product datasheet for **MG209981**

### **Git2 (NM\_001077360) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Git2 (NM_001077360) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Git2
Synonyms:	1500036H07Rik; 5830420E16Rik; 6430510B20Rik; 9630056M03Rik; B230104M05Rik; CAT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG209981 representing NM\_001077360  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCGAAGCGGCTCCGGAGCAGCGACGTGTGCGCCGACTGCAACGGGCCTGATCCTTCCTGGGCGTCAG  
TAAATAGGGGAACTTTCATATGTGACGAATGTTGCAGTGTCCATCGGAGCCTGGGGCGCCATATCTCCA  
AGTGAGGCATCTTAAACACACAGCATGGCCTCCAACCCTGCTCCAGATGGTTGAGACCTTGACAACAAT  
GGTGCTAACTCTATATGGGAACACTCTCTGCTGGACCCTGCCTCTATCATGAGTGGGAGGCGAAAGCTA  
ACCCACAGGACAAAGTTCACCCCAATAAAGCAGAATTCATCAGAGCCAAGTATCAGATGTTAGCGTTCGT  
CCACCGATTGCCCTGCCGCGAGGACGACAGCGTGACGGCCAAAGATCTCAGTAAGCAACTCCATTCAAGT  
GTGAGAACAGGGAATCTTGAGACCTGTCTGAGACTGTTGTCTTTAGGAGCCCAAGCCAATCTTTTCATC  
CTGAAAAAGGAAGCACTCCACTCCACGTCGCCTCAAAGCAGGACAGATCTTACAGGCTGAATTGCTGGC  
CGTGTATGGAGCTGACCCAGGCACACAAGATTCTAGTGGGAAGACTCCTGTTGACTATGCAAGGCAAGGA  
GGGCACCATGAGTTGGCAGAACGCCTCATAGAAATACAGTACGAGCTGACGGATAGACTGGCCTTCTACC  
TCTGCGGCCGGAAACCAGATCATAAAAGCGGACAGCACTTTCTAATTCCTCAGAGGGCAGACAGCAGCCT  
GGATTTGTCTGAGTTGGCAAAAGCTGCGAAGAAGAAACTTCAATCTCTGAGTAATCATTTGTTTGAAGAA  
CTTGCCATGGATGTGTACGACGAAGTTGACAGGCGAGAGACTGACGCAGTCTGGCTTGCCACGCAGAACC  
ACAGTACCTTGGTAACCGAGACGACCGTCTGCCCTTCCCTTCCGGTCAACCCTGAGTACTCTCCACACG  
AAACCAGGGCAGACAGAAATTAGCTCGGTTTAAACGCCACGAGTTTGCTACGCTGGTCATCGACATCCTC  
AGTGATGCCAAGAGGAGACAACAGGGCAGTCTCTGTCCAGGTCAAAGACAATGTGGAGCTCATATTGA  
GAACAGTCAGTACCCAGCACAGCACTGAGAGCCAAGACAACGACCAGCCAGACTATGACAGTGTGGCCTC  
CGATGAAGACACAGACGTGGAGACGAGGGCAAGCAAGGCAAAACCGCAGAAAGCTTCAAACCTCCAGAGT  
GAGAACTCAAGCCTCAGGAGACAGGCCACAGCCAGTGCCTGTGAGGTGCAGACTGGCTCTGACCACAAGG  
ACACTGCAAGCCACTCGTCCCTAAAGCGACGGCCATCTGCCCGGGCAGTAGACCCATGTCCATGTACGA  
GACTGGATCAGGCCAGAAGCCATACCTCCCAATGGGAGAAGCCAGCCACCCTGAGGAGAGCCGGACGAGA  
CTTCAACCCTTCCCACGCATGCCTCCAGACTGGAGAAGCAGAACAGCACCCCGGAGAGTGATTATGACA  
ACACTGCCTGTGACCCTGAGCCAGACGACCGGGTCAACCCGGAAGGGACGGCAGCGGAGCATGCTCTG  
GCAAGGTGATGGCTTATTGCCAGATACAGCAGAACCCCACTCGGTCCCCAGCCCCACCCTCCCCAGCACA  
GAAGAGCTCATCCGGAAGACCGAGCAGATCACCAAAAACATCCAGGAGCTCCTGCGAGCAGCCAGGAGA  
ACAAGCATGACAGCTATATCCCTGCTCAGAGAGGATACAGTTCGTTGTAACCGAGATGGCAGCCCTGTT  
CCCCAAAAACCAAGTCTGACACGGTGAGGACTTCCCTCCGCTACTCACGTCCAGTGCCTACCGGCTC  
CAGTCGGAGTGCAGAAAGGCTCTCCAGGAGACTCCAGCTTACCCACAGATGTGCAGCTGGTCACACAGC  
AGGTATCCAGTGTGCCTATGACATCGCCAAGGCCCAAACAGCTGGTCACAATCACCACCAAGAGAA  
CAGCAGC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG209981 representing NM\_001077360  
Red=Cloning site Green=Tags(s)

```
MSKRLRSSDVCADCNGPDPSPWASVNRGTFICDECCSVHRSLGRHISQVRHLKHTAWPPTLLQMVELYNN
GANSIWEHSLLDPASIMSGRRKANPQDKVHPNKAEIFIRAKYQMLAFVHRLPCREDDSVTAKDLSKQLHSS
VRTGNLETCLRLLSLGAQANFFHPEKGSTPLHVASKAGQILQAELLAVYGADPGTQDSSGKTPVDYARQG
GHHELAEERLIEIQYELTDRLAFYLCGRKPDHKSQGHFLIPQRADSSLDLSELAKAAKKLQSLSNHLFEE
LAMDVYDEVDRRETDVAVWLATQNHSTLVTETTVPFLPVNPEYSSSTRNQGRQKLARFNAHEFATLVIDIL
SDAKRRRQGSPLSRSKDNVELILRTVSTQHSTESQDNDQPDYDSVASDEDTDVETRASKANRQKLQTLQS
ENSSLRRQATASACQVQTGSDHKDTASHSSLKRRPSARGSRPMSMYETGSGQKPYLPMGEASHPEESRTR
LQFPPTHASRLEKQNSTPESDYDNTACDPEPDDTGSTRKGRQRSMLWQGDGLLPDTAEPHSVPSPTLPST
EDVIRKTEQITKNIQELLRAAQENKHDSYIPCSERIHVAVTEMAALFPKPKSPTVTRSLRLTSSAYRL
QSECRKALPGDSSLPTDVLVTQVVIQAYDIAKAAKQLVTITTKENSS
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001077360

**ORF Size:** 2037 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\\_001077360.1](#), [NP\\_001070828.1](#)

**RefSeq Size:** 4940 bp

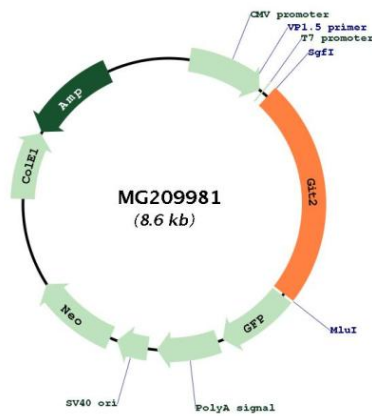
**RefSeq ORF:** 2040 bp

**Locus ID:** 26431

**Cytogenetics:** 5 F

**Gene Summary:** GTPase-activating protein for the ADP ribosylation factor family.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209981