

Product datasheet for **MC220431**

Git2 (NM_001077360) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Git2 (NM_001077360) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Git2
Synonyms:	1500036H07Rik; 5830420E16Rik; 6430510B20Rik; 9630056M03Rik; B230104M05Rik; CAT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220431 representing NM_001077360
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGAAGCGGCTCCGGAGCAGCGACGTGTGCGCCGACTGCAACGGGCCTGATCCTTCCTGGGCGTCAG
 TAAATAGGGGAACTTTCATATGTGACGAATGTTGCAGTGTCCATCGGAGCCTGGGGCGCCATATCTCCCA
 AGTGAGGCATCTTAAACACACAGCATGGCCTCCAACCCTGCTCCAGATGGTTGAGACCTTGACAACAAT
 GGTGCTAACTCTATATGGGAACACTCTCTGCTGGACCCTGCCTCTATCATGAGTGGGAGGCGAAAGCTA
 ACCCACAGGACAAAGTTCACCCCAATAAAGCAGAATTCATCAGAGCCAAGTATCAGATGTTAGCGTTCGT
 CCACCGATTGCCCTGCCGCGAGGACGACAGCGTGACGGCCAAAGATCTCAGTAAGCAACTCCATTCAAGT
 GTGAGAACAGGGAATCTGAGACCTGTCTGAGACTGTTGTCTTTAGGAGCCCAAGCCAATCTTTTCATC
 CTGAAAAAGGAAGCACTCCACTCCAGTCGCCTCAAAGCAGGACAGATCTTACAGGCTGAATTGCTGGC
 CGTGTATGGAGCTGACCCAGGCACACAAGATTCTAGTGGGAAGACTCCTGTTGACTATGCAAGGCAAGGA
 GGGCACCATGAGTTGGCAGAACGCCTCATAGAAAACAGTACGAGCTGACGGATAGACTGGCCTTCTACC
 TCTGCGGCCGGAACCAGATCATAAAAGCGGACAGCACTTTCTAATTCCTCAGAGGGCAGACAGCAGCCT
 GGATTTGTCTGAGTTGGCAAAAGCTGCGAAGAAGAAACTTCAATCTCTGAGTAATCATTTGTTTGAAGAA
 CTTGCCATGGATGTGTACGACGAAGTTGACAGGCGAGAGACTGACGCAGTCTGGCTTGCCACGCAGAACC
 ACAGTACCTTGGTAACCGAGACGACCGTCTGCTCCCTTTCCCTCCGGTCAACCCTGAGTACTCCTCCACAG
 AAACCAGGGCAGACAGAAATTAGCTCGGTTTAAACGCCACGAGTTTGCTACGCTGGTTCATCGACATCCTC
 AGTGATGCCAAGAGGAGACAACAGGGCAGTCTCTGTCCAGGTCAAAGACAATGTGGAGCTCATATTGA
 GAACAGTCAGTACCCAGCACAGCACTGAGAGCCAAGACAACGACCAGCCAGACTATGACAGTGTGGCCTC
 CGATGAAGACACAGACGTGGAGACGAGGGCAAGCAAGGCAAAACCGCAGAAAGCTTCAAACCTCCAGAGT
 GAGAACTCAAGCCTCAGGAGACAGGCCACAGCCAGTGCCTGTGAGGTGCAGACTGGCTCTGACCACAAGG
 ACACTGCAAGCCACTCGTCCCTAAAGCGACGGCCATCTGCCCGGGCAGTAGACCCATGTCCATGTACGA
 GACTGGATCAGGCCAGAAGCCATACCTCCCAATGGGAGAAGCCAGCCACCCTGAGGAGAGCCGGACGAGA
 CTTCAACCCTTCCCACGCATGCCTCCAGACTGGAGAAGCAGAACAGCACCCCGGAGAGTGATTATGACA
 ACACTGCCTGTGACCCTGAGCCAGACGACCGGGTCAACCCGGAAGGGACGGCAGCGGAGCATGCTCTG
 GCAAGGTGATGGCTTATTGCCAGATACAGCAGAACCCCACTCGGTCCCCAGCCCCACCCTCCCCAGCACA
 GAAGAGCTCATCCGAAGACCGAGCAGATCACCAAAAACATCCAGGAGCTCCTGCGAGCAGCCAGGAGA
 ACAAGCATGACAGCTATATCCCTGCTCAGAGAGGATACAGTTCGCTGTAAACCGAGATGGCAGCCCTGTT
 CCCCAAAAACCAAGTCTGACACGGTGAAGACTTCCCTCCGCTACTCACGTCCAGTGCCTACCGGCTC
 CAGTCGGAGTGCAGAAAGGCTCTCCAGGAGACTCCAGCTTACCCACAGATGTGCAGCTGGTCCACACAGC
 AGGTCAATCCAGTGTGCCTATGACATCGCCAAGGCCGCAACAGCTGGTCACAATCACCCAAAAGAGAA
 CAGCAGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001077360
- Insert Size:** 2040 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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]
Transcript Variant: This variant (3) uses an alternate in-frame splice site and lacks an in-frame exon compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.