

Product datasheet for **MG222164**

Git2 (NM_019834) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Git2 (NM_019834) 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)



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ORF Nucleotide Sequence:

>MG222164 representing NM_019834
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGAAGCGGCTCCGGAGCAGCGACGTGTGCGCCGACTGCAACGGGCCTGATCCTTCCTGGGCGTCAG
 TAAATAGGGGAACTTTCATATGTGACGAATGTTGCAGTGTCCATCGGAGCCTGGGGCGCCATATCTCCA
 AGTGAGGCATCTTAAACACACAGCATGGCCTCCAACCCTGCTCCAGATGGTTGAGACCTGTACAACAAT
 GGTGCTAACTCTATATGGGAACACTCTCTGCTGGACCCTGCCTCTATCATGAGTGGGAGGCGAAAGCTA
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 CCAGGGCAGACAGAAATTAGCTCGGTTTAAAGCCACGAGTTTGCTACGCTGGTTCATCGACATCCTCAGT
 GATGCCAAGAGGAGACAACAGGGCAGTCTCTGTCCAGGTCAAAGACAATGTGGAGCTCATATTGAGAA
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 CCAGTGCCTACCGGCTCCAGTCCGAGTGCAAGAAAGGCTCTCCAGGAGACTCCAGCTTACCCACAGATGT
 GCAGCTGGTCACACAGCAGGTATCCAGTGTGCCTATGACATCGCCAAGGCCGCAACAGCTGGTCACA
 ATCACCACCAAAGAGAACAGCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG222164 representing NM_019834
Red=Cloning site Green=Tags(s)

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MSKRLRSSDVCADCNGPDPSWASVNRGTFICDECCSVHRSLGRHISQVRHLKHTAWPPTLLQMVETLYNN
GANSIWEHSLLDPASIMSGRRKANPQDKVHPNKAEIFIRAKYQMLAFVHRLPCREDDSVTAKDLSKQLHSS
VRTGNLETCLRLLSLGAQANFFHPEKGSTPLHVASKAGQILQAELLAVYGADPGTQDSSGKTPVDYARQG
GHHELAERLIEIQYELTDRLAFYLCGRKPDHKSQGHFLIPQRADSLDLSELAKAAKKLQSLSNHLFEEL
AMDVYDEVDRRETDVAVLATQNHSTLVTEITVVPFLPVNPEYSSTRNQGRQKLARFNAHEFATLVIDILS
DAKRRQQGSPLSRSKDNVELILRTVSTQHSTESQDNDQPDYDSVASDETDVETRASKANRQKLQTLQSE
NSSLRRQATASACQVQTGSDHKDTASHSSLKRRPSARGSRPMSMYETGSGQKPYLPMGEASHPEESRTRL
QPFPTHIGRSALVTSSSLPSFPSTLSWSRDESARRASRLEKQNSTPESDYDNTACDPEPDDTGSTRKGR
QRSMLWQGDGLLPDAEPHSVPSPSTLPSTEDVIRKTEQITKNIQELLRAAQENKHDSYIPCSERIHVAVT
EMAALFPKPKSDTVRTSLRLLTSSAYRLQSECRKALPGDSSLPTDVQLVTQQVIQCAFYDIAKAAKQLVT
ITTKENSS
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TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1283_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019834

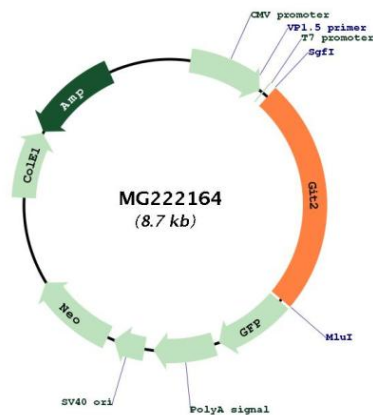
ORF Size: 2124 bp

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:	<ol style="list-style-type: none">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:	<u>NM_019834.3, NP_062808.3</u>
RefSeq Size:	5027 bp
RefSeq ORF:	2127 bp
Locus ID:	26431
UniProt ID:	<u>Q9JLQ2</u>
Cytogenetics:	5 F
Gene Summary:	GTPase-activating protein for the ADP ribosylation factor family.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222164