

Product datasheet for **MC221473**

Git1 (NM_001004144) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Git1 (NM_001004144) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Git1
Synonyms:	Cat-1; p95Cat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221473 representing NM_001004144
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCGAAGGGCCGCGAGCGGAGGTGTGTGCGGACTGCAGCGCTCCGGACCCTGGCTGGGCATCTA
 TCAGCAGAGGTGTGCTGGTTTGTGACGAGTGTGCAAGTGTGACCGGAGCCTGGGACGACACATCTCCAT
 TGTCAAGCACCTGCGCCACAGCGCTGGCCTCCTACGCTGCTCCAGATGGTGCACACGCTTGCCAGCAAC
 GGGCCAACTCCAATCTGGGAGCACTCCCTGCTGGACCCTGCGCAAGTCAAAGTGGCCGGCGCAAAGCCA
 ACCCCCAAGATAAAGTCCACCCCATCAAGTCAGAGTTCATCAGGGCAAAGTACCAGATGCTGGCGTTCGT
 GCACAAGCTTCCCTGCCGTGATGATGATGGGGTCAACGCAAGACCTCAGCAAGCAACTGCACTCAAGT
 GTGCGAACAGGCAACTTGAAACATGTCTGCGCCTGCTTCTTGGGTGCCAGGCCAACTTTTTTACC
 CAGAAAAGGGCACTACACCTCTACATGTGGCTGCCAAGGCAGGGCAGACACTGCAGGCTGAGCTGCTGGT
 AGTGTATGGGGTGCACCCGGTCTCCTGATGTCAATGGCCGCACACCCATCGACTATGCCAGGCAGGCG
 GGGCACCATGAACTGGCAGAAAGCTAGTTGAGTGCCAGTATGAGCTCACTGACCGGTTGGCCTTCTATC
 TCTGTGGACGAAAGCCTGATCACAGAATGGGCATTACATCATCCACAGATGGCTGACAGATCTCGGCA
 AAAGTGCATGTCTCAGAGCTTGGATCTGTCTGAATGGCCAAAGCTGCCAAGAAGAAGCTGCAAGCGCTC
 AGCAACCGGCTTTTTGAGAACTTGCATGGATGTGTATGATGAGGTGGATCGGAGAGAAAATGATGCTG
 TGTGGCTAGCTACCCAAAATCATAGCACCTGGTACGGAGCGCAGTGTGTGCCCTTCTGCCAGTCAA
 CCCTGAATACTCAGCCACTCGGAATCAGGGACGACAGAAATGGCCGTTTCAATGCCGAGAGTTTGC
 ACCTTGATCATCGACATTCTCAGTGAGGCCAAACGGAGGCAGGCGAAGAGTCTAAGCAGCCCCACAG
 ACAACCTTGAGCTGTCTGCACGGAGCCAGAGCGAGCTGGATGACCAGCAGACTACGACAGCGTGGCTTC
 CGACGAAGACACGGACCAGGAGCCCTTGCCAGTGCAGGCGCCACGCGGAACAACCGTGCCAGGAGCATG
 GACTCCTCAGATCTGTCAGATGGGGCAGTGACACTGCAGGAGTACCTGGAGCTGAAGAAGCCTCTGGCTA
 CCTCCGAGGCCAAGGTGCAACAGCTCATGAAGTCAACAGCAGCCTGAGTGACGAGCTGCGGCGGTGCA
 AAGGGAGATCCACAAATTCAGGCAGAGAACCTGCAGCTTCGGCAGCCACCCGGACCAGTGCCTCCACCC
 TCATTTCCAGTGAACGGGCAGAACACACCCTCATGGGGCTGGTGAAGCACCCACCGCAGGGACCGCC
 AGGCCTTCTCATGTATGAGCCAGGCTCTGCATTGAAGCCCTTTGGAGGTACACCTGGGGACGAGCTCGC
 CACCCGGCTCCAGCCTTCCACAGCACGGAGCTCGAAGACGATGCCATCTACTCAGTGCATGTCCCTGCC
 GGCTTTATCGGATCCGGAAGGGGTGTCTGCCTTTCTGTGCCCTTCACTCCCTCCTCCCACTGCTGT
 CGTGCTCCAAGAAGGAAGTCCGCCACGGAGCAAGCTCTCACGCCACGGCAGTGGTGGGACAGTACTA
 TGAGAACACACAGAGTGGGGACCCTCTGCTTGGGCTTGAAGGGAAGCGATTCTAGAGCTGAGCAAGGAG
 GATGAGCTGCACCCTGAGCTGGAGAGCTTAGATGGAGACCTCGACCCCGGGCTCCCAGCACCGAAGACG
 TCATCCTAAAGACAGAGCAGGTCACCAAGAACATTGCGGACAGCCAGGAGTTCAAACA
 TGACAGCTTTGTACCCTGTTCAAAAAGATACATTTGGCTGTGACTGAGATGGCTTCTCTTCCCAAAG
 AGGCCAGCCCTGGAGCCTGTGCGCAGTTCACTGCGGCTGCTCAACGCCAGCGCCTACCGGCTTCAAGCG
 AGTGCCGGAAGACAGTGCCTCCAGAGCCGGCGCCCTGTGGACTTCCAGCTGCTGACTCAGCAGGTGAT
 CCAGTCCGCTATGACATCGCCAAGGCTGCCAAGCAGCTGGTACCATCACCACCGAGAGAAGAAACAG
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001004144
Insert Size: 2313 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:	<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:	NM_001004144.1 , NP_001004144.1
RefSeq Size:	3670 bp
RefSeq ORF:	2313 bp
Locus ID:	216963
UniProt ID:	Q68FF6
Cytogenetics:	11 B5
Gene Summary:	GTPase-activating protein for the ADP ribosylation factor family. May serve as a scaffold to bring together molecules to form signaling modules controlling vesicle trafficking, adhesion and cytoskeletal organization. Increases the speed of cell migration, as well as the size and rate of formation of protrusions, possibly by targeting PAK1 to adhesions and the leading edge of lamellipodia. Sequesters inactive non-tyrosine-phosphorylated paxillin in cytoplasmic complexes (By similarity). Involved in the regulation of cytokinesis; the function may involve ENTR1 and PTPN13 (PubMed:23108400).[UniProtKB/Swiss-Prot Function]