

Product datasheet for **SC316259**

GIT1 (NM_001085454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIT1 (NM_001085454) Human Untagged Clone
Tag:	Tag Free
Symbol:	GIT1
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001085454, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCAGAAAGGGGCCGAGCGGAGGTGTGTGCGGACTGCAGCGCCCCGGACCCTGGC
TGGGCATCCATCAGCAGGGGTGTGCTGGTGTGTGACGAGTGTGCAGCGTGCACCGGAGC
CTGGGACGCCACATCTCCATTGTCAAGCACCTTCGCCACAGCGCTGGCCTCCCACGCTG
CTGCAGATGGTGCACACGCTTCCAGCAACGGGGCCAACCTCCATCTGGGAGCACTCCCTG
CTGGACCCCGCACAAAGTGCAGAGCGGCGCGTAAAGCCAACCCCAAGACAAAGTCCAC
CCCATCAAGTCAGAGTTCATCAGGGCCAAGTACCAGATGCTGGCATTGTGCACAAGCTT
CCCTGCCGGGACGATGATGGAGTCACCGCCAAAGACCTCAGCAAGCAACTACACTCGAGC
GTGCGGACAGGCAACCTGGAGACATGTCTGCGCCTGCTCTCCCTGGGTGCCAGGCAAC
TTCTTCCACCCAGAGAAGGGCACCACACCTCTGCACGTGGCTGCCAAGGCAGGACAGACA
CTGCAGGCCGAGCTGCTGTAGTGTATGGGGCTGACCCTGGCTCCCCTGATGTTAATGGC
CGCACACCCATTGACTATGCCAGGCAGGCGGGCACCATGAGCTGGCGAAAGGCTGGTT
GAGTGCCAATATGAGCTACTGACCGGCTGGCCTTCTACCTCTGTGGACGCAAGCCGGAT
CACAAGAAATGGGCATTACATCATCCACAGATGGCTGACAGATCTCGGCAAAAGTGCATG
TCTCAGAGCCTTGACTTATCCGAATTGGCCAAAGCTGCTAAGAAGAAGCTGCAGGCGCTC
AGCAACCGGCTTTTTGAGGAACTCGCCATGGACGTGTATGACGAGGTGGATCGAAGAGAA
AATGATGCAGTGTGGCTGGCTACCCAAAACCACAGCACTCTGGTGACAGAGCGCAGTGCC
GTGCCCTTCTGCCTGTTAACCCGGAATACTCAGCCACGCGGAATCAGGGGCGACAAAAG
CTGGCCCGCTTTAATGCCCGAGAGTTTGCCACCTTGATCATCGACATTCTCAGTGAGGCC
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CGGAGCCAGAGTGACCTCGACGACCAACACGACTACGACAGCGTGGCCTCTGACGAGGAC
ACAGACCAGGAGCCCTGCGCAGCACCGGCCACTCGGAGCAACCGGGCCCGGAGCATG
GACTCCTCGGACTTGTCTGACGGGGCTGTGACGCTGACAGGAGTACCTGGAGCTGAAGAAG
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GACGAGCTCCGGAGGCTGCAGCGAGAGATCCACAAGCTGCAGGCGGAGAACCTGCAGCTC
CGGCAGCTCCAGGGCCGGTGCCACACCTCCACTCCCCAGTGAACGGGCGGAACACACA
CCCATGGCGCCAGGCGGGAGCACACCCGAGGGATCGCCAGGCCTTTTCCATGTATGAA
CCTGGCTCTGCCCTGAAGCCCTTTGGGGCCCCCTGGGGACGAGCTCACTACGCGGCTG
CAGCCTTCCACAGCACTGAGCTAGAGGACGACCCATCTATTAGTGCACGTCCTGCT
GGCCTTACCAGGATCCGAAAGGGGTGTCTGCCTCAGCTGTGCCCTTCACTCCCTCCTCC
CCGCTGTCTCCTGCTCCAGGAGGGAAGCCGCCACACGAGCAAGCTTCCCGCCACGGC
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GGGAAGAGGTTTCTAGAGCTGGGCAAAGAGGAAGACTTCCACCCAGAGCTGGAAAGCCTG
GATGGAGACCTAGATCCTGGGCTTCCCAGCACAGAGGATGTCATCTTGAAGACAGAGCAG
GTCACCAAGAACATTCAGGAAGTGTGCGGGCAGCCAGGAGTTCAAGCATGACAGCTTC
GTGCCCTGCTCAGAGAAGATCCATTTGGCTGTGACCGAGATGGCTCCCTCTTCCCAAAG
AGGCCAGCCCTGGAGCCAGTGCAGGCTCACTGCGGCTGCTCAACGCCAGCGCCTACCGG
CTGCAGAGTGAGTGCCGGAAGACAGTGCCTCCAGAGCCCGGCGCCCAAGTGGACTTCCAG
CTGCTGACTCAGCAGGTGATCCAGTGCCTATGACATCGCCAAGGCTGCCAAGCAGCTG
GTCACCATCACCCCGAGAGAAGAAGCAG
    
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Restriction Sites: Please inquire

ACCN: NM_001085454

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001085454.1</u> , <u>NP_001078923.1</u>
RefSeq Size:	3778 bp
RefSeq ORF:	2313 bp
Locus ID:	28964
UniProt ID:	<u>Q9Y2X7</u>
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, Regulation of actin cytoskeleton
Gene Summary:	<p>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. Involved in the regulation of cytokinesis; the function may involve ENTR1 and PTPN13 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>