

Product datasheet for **SC209774**

GIT2 (NM_139201) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GIT2 (NM_139201) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GIT2
Synonyms:	CAT-2; CAT2; PKL
ACCN:	NM_139201
Insert Size:	1531 bp



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Insert Sequence: >SC209774 3'UTR clone of NM_139201
The sequence shown below is from the reference sequence of NM_139201. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAAAAGTTGCTTGAAAAAGATGCTAATTAATGAAGAGGAGCAACTACTATTGGTGTATTTTTACAGAT
TGGTGCTTTCTAAATAAAAAATTGAAAGTAACTCCTAACATTGAATGGGTTTGCTACTGAAAAAGTAATG
ATCTTCTGGTGCAACAGTTGCTTGTGGACTTAAACCTTGGCACTGGTGGGAATTTGGTCAGATTTTA
CAATCTCTGTCAAAGAGTAGACAGCTGAACTCACACCACCCAGCTTATAGAATGTCCATGGAAGATG
AAGGCGCACCAGAAGGGAAGGACCCTGCGCAGAATGGACGTGGTGAATGGTGTAAAATGCCAGATGC
CAAAGAGTAACACGATCCCTGCTGACCCCTTAACTCTAATCCATCCAGCACCATGGAGCAGCCTGCAT
GTGAGGAATGGAAGGAGCATTCAAGGCCCTCAAGTGACAGTCTCTAAAATGGGGTGGTCCAGGCAGAT
TAGCATGTTCAAAGCTGACACCACTGAGGTCGTGTTTTTTGGGTGACAAAGCCAAAGGAGAGAAAGGCC
AAATATCCAGCCCTGGCCGAAAGATGATCACTACCAGACGGAAGCAAGCGTGTGCGTGGAGCATCC
ATGCGAAGATGTCAATCCATAGATCAATAGGTTTCCAGTTTTCTTCGTGATATGTTAATATAGCAAC
TTACCATGATCCGGTTTTCTTTTTTTCTTTTTTTTTTACAAAGTGCTGAATTGTTGGAAATATCAAG
AGTATTATGTAATAAAAACTTGTGATCATAATTTTTCTTGTGGCTTTTTGGAAAGCAATAGGCGATC
TGATTTTTCAAGCTGAACTTCTGTCTTTCTTGTCTTTGCAAAGCAACCCATGTCATCTTTGTGCTGCT
TCCATGGTGTCTGCTGTCATTTTTGGCCTTTACAAATTGCTCAGGGCTCATTGAAAAGCAAGTTACCT
AAATGATGTTTTAATGATCTCGAACTCTTGCTTGAACAGCCTTAGTAATAATCCAGTGTACAGCTTGC
CTGCAAAACATTTCCAGCCCCACCATGACAAATTTAAAGTGGTTAGACATTTTGTGAGGAAGTCC
AAACCACAACTTTTCCACATTCAGAAATGAAGCTATTTAATTGCTTACGTGATGAAGGGAGTTGATTG
TGTTTTACCCAATCCAGAAGAAAGGTCCTTGTGTTGATTGGCTTTTTACTTTCAGCCCGCTAGCTGT
TACTGTCTTATTGTTTAAAACTGGTAGTTGTATTCAATTACTTGGTGTGTTTTCTGCTTGTGCTGT
AAAAAACACAGTCCCACTGCCAAACATTTCTTTCAGCTTCAAACACTCCAGAGTAAAAATCGAACCT
CAGGAAACAGGCCACAACCAATGTATATCAGGTGCAAACCTGGTTCTGAGTACACAGACACTTCCAACCA
CTCTTCTTAAAGAGACGTCCTGCTGCCCGGGCAGTAGGCCATGTCCATGTACGAGACCGGATCAGG
TCAGAAACCATAT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_139201.3](#)

Summary:

This gene encodes a member of the GIT protein family, which interact with G protein-coupled receptor kinases and possess ADP-ribosylation factor (ARF) GTPase-activating protein (GAP) activity. GIT proteins traffic between cytoplasmic complexes, focal adhesions, and the cell periphery, and interact with Pak interacting exchange factor beta (PIX) to form large oligomeric complexes that transiently recruit other proteins. GIT proteins regulate cytoskeletal dynamics and participate in receptor internalization and membrane trafficking. This gene has been shown to repress lamellipodial extension and focal adhesion turnover, and is thought to regulate cell motility. This gene undergoes extensive alternative splicing to generate multiple isoforms, but the full-length nature of some of these variants has not been determined. The various isoforms have functional differences, with respect to ARF GAP activity and to G protein-coupled receptor kinase 2 binding. [provided by RefSeq, Sep 2008]

Locus ID:

9815

MW:

58.4