

## Product datasheet for **SC216338**

### PI 3 Kinase catalytic subunit gamma (PIK3CG) (NM\_002649) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PI 3 Kinase catalytic subunit gamma (PIK3CG) (NM_002649) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PIK3CG
Synonyms:	p110gamma; p120-PI3K; PI3CG; PI3K; PI3Kgamma; PIK3
ACCN:	NM_002649
Insert Size:	2000 bp



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**Insert Sequence:** >SC216338 3'UTR clone of NM\_002649  
The sequence shown below is from the reference sequence of NM\_002649. 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
ATCAAACAAGGAGAGAAACATTAGCCTAATACTTTAGGCTAGAATCAAAAAACAAGTTAGTGTCTATG
GTTTAAATTAGCATAGCAATCATCGAAGTTGGATTTCAAATGCAATAGACATTGTGAAAGCTGGCATTT
CAGAAGTATAGCTCTTTTCTACCTGAAGTCTTCCCTGGAGAAAAGATGTTGGCATTGCTGATTGTTTG
GTTAAGCAATGCCAGTCTAGGATTTTGCAGGTTGGTTTTTCTCATTGTCTGTGGCATTGGAG
AATATTCTCGTTTAAACAGACTAATGACTTCTTATTGTCCCTGATATTTGACTATCTTACTATTGA
GTGCTTCTGGAATTCCTTGAATAATTGATGACATCTATTTTCATCTGGGTTTAGTCTCAATTTGGT
TATCTTTGTGTTCTCAAGCTCTTAAAGAAAAAGATGTAATCGTTGTAACCTTTGTCTCATTCTTAA
ATGATGCTTCAAACATCTCCTTAGTGTCTGCAGGTGTTAGTGGTGTGCTAAAAGCAAGGAAAGCGAGT
TAGTCTTTTCAGTGTCTTTTGAATTCAATTCTTTTGTATGTATAACTGAGACACAAACACAGCAG
GAGAAATCTAAACCGTTGTGCCTTGACCTTCTCTGCTGGTCTTGTCCAGGGTTATGAATATGAAAAA
ATAGAGATGAGACTTTTTGTGCAACTCTGTCCACAAGAGTGAGTTATCTAGTATGATTAGTATAGCTT
TCTCCAGCATGGCAGCAGGAAGTAACTACAGGGCCTCTTTTATGCCTGACATTTCTCCCTTCTTTTT
CCCTGCCTCCCTTTTTCAATTGCGATGCTCCCAACTCTTACAGACTTGTGAAATCTTCAAGAA
CACCTTACTCTATAACTCAAAAATTAGTTGAAAAATAATTACTTCTCAAGGATTATTAGAATCTTAGG
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TAAAGGACTTTTTAACTTTGACACATCCTTCAAGTTTCTGAAAAATAATTGAAATATCTTACTTTAAAA
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CTCTGTTAAGTATAATCAGATATAAATATACTTAATTTTTTAAATTTAAAAATAGATACCTGTTTG
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AAGCCTGGCTGCAAAGAAGAATCAACAGGGACACTTTTTAAAAAACTCTTATCAGCCTGGGCAACACA
GTGAGACTCCATCTTAAAAAAAATTAGCTGGGTATAGTGGTATGTGCCTGTAGTCCAGGTAATC
AGGAGGCTGAGGAGGAGGATTGCCTGAGCCCAGGAGGTGAAACTGCAGAGAGTATGATCATGTCCT
TACACTCCAGCCTGGATAACAGAGCGAGACCCTGTCTCAAAAAATAAAATAAAAAATAAAAAACCCCT
TGCTTGCCTCCATTCCAGGTTATAATTTAATTAATCTGTGGGTGAGACCCAGACATCAATATTTTCT
AGATTCTCAGGTGATTCTAATTCACAGCCAGAGTTGGAAGCCCTGCGTGGCCTTTGAAGGTCTAGATG
ATTCTTCTCCTTGCCTTTGAGCTTTTCCCATCTCACAGGTATCTAGAAAAAACTCCTCTTCTTT
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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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\\_002649.3](#)

**Summary:** Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I catalytic subunit of PI3K. Like other class I catalytic subunits (p110-alpha p110-beta, and p110-delta), the encoded protein binds a p85 regulatory subunit to form PI3K. This gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2015]

**Locus ID:** 5294

**MW:** 77.2