

## Product datasheet for **SC213201**

### Phospholipase C gamma 1 (PLCG1) (NM\_182811) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Phospholipase C gamma 1 (PLCG1) (NM_182811) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PLCG1
Synonyms:	NCKAP3; PLC-II; PLC1; PLC148; PLCgamma1
ACCN:	NM_182811
Insert Size:	2000 bp



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**Insert Sequence:** >SC213201 3'UTR clone of NM\_182811  
 The sequence shown below is from the reference sequence of NM\_182811. 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
ACTCGGGTCAATGGAGACAACCGCCTCTAGTTGTACCCAGCCTCGTTGGAGAGCAGCAGGTGCTGTGC
GCCTTGTAGAATGCCGCGAACTGGGTTCTTTGGAAGCAGCCCCCTGTGGCGGCCTTCCGGGTCTCGCAG
CCTGAAGCCTGGATTCCAGCAGTGAATGCTAGACAGAAACCAAGCCATTAATGAGATGTTATTACTGTT
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CTGGCCCTGACTTCTGGAGATGGATCCTTCCATCTTGTGGGGCCAGGACCATGGCCGAAGCCCTTGGA
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GCAGGGTGAAGAAGCTAGATGCCCTGCAGTTTGGCCCTGGAGCCAGGGCAGAGGAATGTAGGGCCTGCA
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GAGATGGGAAGGTTAGAAAGGCAGCCCTCACCTCTGAGGACAGAGCGGGGTCCAGGCCGTGGGCGC
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CTTTGACTTGTATGCTCTTTCCGGGGCTCAGGAAAGCCTGTTGCATGGGACATGCTCACTAGAAACAGT
CGCCAGATGATTATTCTGCAGTAGAAGCAGGTAGGAAATTTCTGGAAATTTCTCAGGTTAAGCAGCAAG
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CCAGAGCCCTTTCCAGTCCACAGAAACCTCTCCTTTCAAAAATGTTGCATTAGTTCTGTTAACTG
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ACAAAAAATTTAAGATAGATCCGGTCCCGTGGATGACATGAACTGATGATAGCCAGTATCAACACGCGA
TAGTGCTCAGGTTCTTGTGTGACTTTCTTTTACAGCTTACAGTCCCAGTTCATAGAGAGGAGGGTGGC
TTTTTCCCATACACAAGAAGGTGGTGGGTGGGAATTCACCTGGGCCCTCATGATCCATGTTTCTCTCT
AGGTTTTTATGGCCTGGAGAGAAAGGTTTCTATCAGAGAAGGAAGGACTGTGTAGGCCCTTCTGT
ACGCGT AAGCGGCCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** Sgfl-Mlul

**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\\_182811.2](#)

**Summary:**

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

5335

**MW:**

73.6