

## Product datasheet for **SC216634**

### Phospholipase C beta 4 (PLCB4) (NM\_000933) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Phospholipase C beta 4 (PLCB4) (NM_000933) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PLCB4
Synonyms:	ARCND2; PI-PLC
ACCN:	NM_000933
Insert Size:	1829 bp



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**Insert Sequence:** >SC216634 3'UTR clone of NM\_000933  
The sequence shown below is from the reference sequence of NM\_000933. 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
AGTAGTATGAAACTCCAAAATGCAAAC TGAAGCAGCAAACCCACAAAGCATCAAAGACTACTCACAA
ACTTCTGAACACAACTCCATGGATGAAAGCTGTTTATTTTGTTCCTTTATGTGTAACAAGATGATA
TCTGAAACCAGAGAGACTTGAATGTCTGACTGACTTCTATTTAACAGCTTGAGTATTGCATTTCCCTTG
GCCAAACAAAAATAGCTACAAATCCACAAAAATTTACTATTCCAGTAAGGCAGAGTCCAACCATTGATA
ATACAACCTAAACATGTTTGCTATAAAATACCATCACAAAGTAAATGAGCTTGGTGTGAACAACCTCCT
TTGTGATGCCTTAGGACATGTTTGAAGTGCAGCAAAAAACAAAAACAAAAACAGTGCATTAGCAATTT
CATAGCAAGTGCATGCACTAGGAAAAGAAAACCTGTCTACAAGTTTATTAGCAGAAGTGGTGGTCTGC
TAGACAAATAATTTGCAAAATTTTCTACATCTAAGTTACCTCATCAGTAAGTGCCATGTCTCTACCA
TGCCATCAGAGGCTAATTTCTGTAAAAGTTGTGGAAATTTGTTAGAACAATAGAAAAATAGAGCAGTGT
ATGTGTGCCAAAACCTCATCATTACTCAAAGGAGAACTGTGTTAGGCACATTTAAGAAAGTTTACACTCG
ACATTGCTTTATAGGAATTGTTTCTGCAGATTCGGATATTATAATTCACACCATAAAGATTGTGAAGT
GGTTATTGGCAAACGTTTGTAATGTGACCATGTATAAAGTATTTATACTCTTTAATTCACACTGTTAG
AGAGCAAATCATCTAAGTATTGCCACATGACAAGATTAGTAAACAGGAATACTAGAACTATGTTTGCA
TGATACACAAGCACAATAAAGACTAATCCATACACAGTTAACCTAATGCCAAATAAATACTGGTAAA
TAAATGTATGGCACAGAATAAATTTGACTATCAAGACTTTTAGCATAATGAAAAACCTCTCTCTATA
TATATATGTGTATATGAATTATGTGGCATTCTTGATACCTCAAGTTCTAGTTTGAAAAAATACATAA
CTAATTTAATTTTACACAAAAATTTTATGCAGATTTTTCAGAATTTTCATATCAGGAAATGACCTTTTTA
TGCTGTTAAATATCAAAACAATTTGCTACAGTGTAAATCTGCATGGTCTTTAAGCCTGCTGTAGTTGA
GTTGCAGACAGTGCATGAAAAAGTATTCCGCTGGGAATTGAGCCATGCCACCAAAGCCAAGAGGAGCGC
ATGGAACCCCGTAGTCTAGAATAATCAGATTACTGATTTTAGGGCACAGCACCAGATGAATTTGTTGT
ATATGCTTGTAATAATGATTCTGTGTGTTCTCTGAACAAAGCGGAGAAAAATGATGATACCATCAATA
TTGAAATTAACCTCCAACCTCTAATAAAAAATTAACACGCATAAACCTCGTCAAGAGTATTTGC
TCCAAGACACATTCTAGCAAATGTTTTGCCTTTTTTCATATACATGATATCATCGTTATTTTCAAAGGG
GGCTTATTAATACCCTCAGCATGTTTTTACCCAAATGATGCAAAACATGCAGATTCTAGTTGACTTCA
GTTGTAATAGACTTGTTTTCTCCTATTTATGATTTGAAGTGGATTCTGTAAAATATCTCTGTTCTTA
GTTTCCTTATCTGTAACAGTGGAGTTAGACTACATATCTTTTGGCACTAACATCTCATGAAAAATTA
TGGTTAATAAAATATCACCACATTTGGATTGCCAA
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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\\_000933.4](#)

**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 many extracellular signals in the retina. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2010]

**Locus ID:** 5332

**MW:** 70.9