

Product datasheet for **SC206071**

Phospholipase C epsilon 1 (PLCE1) (NM_001165979) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Phospholipase C epsilon 1 (PLCE1) (NM_001165979) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PLCE1
Synonyms: NPHS3; PLCE; PPLC
ACCN: NM_001165979
Insert Size: 492 bp
Insert Sequence: >SC206071 3'UTR clone of NM_001165979
 The sequence shown below is from the reference sequence of NM_001165979. 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
TCCAGTGACACAATGGATTACCGACAGTGAATAAGGGCAGCATGTTAAACCCAGGTGAAGATCTTTAAG
CAAGAAGTTAAAGAGTGAACATGGTGGAAAAAATAAATTATTTTCATCAGACTTAACTGGAAATTGA
TGATTTCTGAACTGAAGCCTTCACACATGTGAGATCCATGCTGAGGAGAAGCAAAATGGCACAGGGCTA
GTTGCCACCAACCAATTTACTGATGAATGAAGCCAGGGGACTGCCATTTATAAATGTCAGCAGTTGG
AAAAATCGTCACGAATTGACTTAGAGCAAGGGTCAGCAAGCTTGTCTGTAAGGGCCAAACAGTAAATA
TTTTAGGGCTGGGGCCATAAAATATGTTGCAACCACCAATTCTGCCATTGTAGTGCAAAAGCAGCCA
TAGACAACACATACATGAACGAACGTGGCTGTATTCCAATAAACTTTATTTATGGACACTGAAAAAAA
AAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

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_001165979.2](#)



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Summary:

This gene encodes a phospholipase enzyme that catalyzes the hydrolysis of phosphatidylinositol-4,5-bisphosphate to generate two second messengers: inositol 1,4,5-triphosphate (IP3) and diacylglycerol (DAG). These second messengers subsequently regulate various processes affecting cell growth, differentiation, and gene expression. This enzyme is regulated by small monomeric GTPases of the Ras and Rho families and by heterotrimeric G proteins. In addition to its phospholipase C catalytic activity, this enzyme has an N-terminal domain with guanine nucleotide exchange (GEF) activity. Mutations in this gene cause early-onset nephrotic syndrome; characterized by proteinuria, edema, and diffuse mesangial sclerosis or focal and segmental glomerulosclerosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Sep 2009]

Locus ID:

51196

MW:

19