

## Product datasheet for **SC212544**

### CDS2 (NM\_003818) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CDS2 (NM_003818) Human 3' UTR Clone
Symbol:	CDS2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003818
Insert Size:	2000 bp



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**Insert Sequence:** >SC212544 3'UTR clone of NM\_003818  
 The sequence shown below is from the reference sequence of NM\_003818. 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
ATGCTGACATCCACCACAGAGGACGAGTAGGGGCCACCCAGGGCCAGGAGAACAGGAACAGAACTGAGC
AGGGGCAGGTCTCCAAGCAAGCCAGCTGGTGTGACTTAGACAATGACGAGGCTTCAACTCACTGTCT
TTTTTTTTTTTTTTGGAGGGTATTTTTATTTGTGGTTCAAAAAATCTGTATATACAGCTATGTGT
TTAGAATTTGTGTGTAAGTAACTACAGCTTTGAGTTGGAAAGAAGTCACGGGTGTAAAACCATTTG
GATTTTTTTAAAACAAAAGTATTAATACTGGAAGACAGTGTGCCAGGTCAGGAGTGTTCCTGG
TGGTCCAGCCCCATCAATTGAACTGTTCTGGGCTCAGTCAGACACAGACATTCATCTGTGTCTGAC
CAAATCAGGGGACTTCCCACCTGTGGTGGGAGGCACAGCTTAGATGTTTTGTACACCTGGTCTTTCT
AGAAATCCCTGCTGGAGCTGCAGAAGGGTGCCTTCTGTAGGTCGGAGGAATGGAGGCTTACTAACCA
GGTAAGCCTTCTATGCATCCACACCAAAATCCTGCAGAATGTAAGTAAGCTCTGCTTTATAAGATGGGT
TCACCTTCATCGCAGACTGAAAGTTTCAGTTTTATTTTTTTTTCAGAAAGCACGAAAAATTTTATAAT
AGTCTGGAGAAAAACACACTGTAATATTTCAAGTGTATGCAGTAGAATGTAAGTAACTGAGCCCTTT
CCCACATGTCTAGGCTCCAATGTCTCCTGTAGGTCCACCTAACTGTGTGTTCAGGGACAATGCCATC
CATGTTTGTGCTGTAGACTTGTCTGTGTAATCCTTTCTGGGACTTTCTCATCGGGCAGGGAGCAGA
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TGACTTTTCACTAAAACACAAAAGTCTGCTTAAAATATGAAAAACCTAACCTGATTAGACCTTGA
CTATTTTGAAGATTAATGCACACTTTTTATATAATGTGACCAGTTTAAATGTAGTTTGTATTGTACTG
GGGACCTTTCGTTGTTGTTGTTGCTTAACTGTGATTTTTTTTCCCCTCCCTAATTTTCAGGGGTGAG
ATTGACTTTGGGAAGACAGATTAGTTCTTTGTGTCAGGCCAACAAAGTATGGAGTGCAGGAGAGAGAACTT
GGCACCCAAATATATCAAATATCCGTGCCGTGGATGTTTTTCATTGCCAACGAGGGTGAATGATTTG
CTTCTGCACCTTGGTCTAGTGTGTTTGGTGTGTTTTGTTTGTAAATTAGCCTCACTGCCTCCCTGA
AAGTGCACAGTCAGCCAGGCTCTAGAGTGTCCAGCAGAGGATGGAGCCCTCGGATGTTTCAGCTCA
CACATCCTTGAGTGAATCCCATATGTGTGTTGGGCTGAAGCGGCTTCTTTCCGCTGAACCTTTATTTTC
CATTTTCAGCTCGTGGCTTCTTATTTCAGGTCGAAGGCCCTTAAAAACAAAACATATTATCGCAAGG
GCTTTTCATTTAGTATTGCTGTGCTCACTGGCAGGATGCATCACTCTCCAGGGCCTTTTTTCGGAGCT
ACTCCCAATTCACCTCTTCTGTGATTCTGGCTGAGCAAGTTCATGCCGGTAGAGGCTCATTAAAGTGAGG
TCTTGGGCACCCCAACAGGAAGTGTTCAGGCCCTTACATGCTTATCCTTAAAGGTGAGTAGGTAT
CTCAGCAGCACACCCGAACAGTAAAGGTGATCAATAACGAAACTGAGTTTTTCAGATTGAAGAATGAAC
CTGGATCACCAAACTAGATACCGAAAGGGCTCCTCATTGTCTCTTTGTCCCATTGTGGGCATATGG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_003818.4](#)

**Summary:**

Breakdown products of phosphoinositides are ubiquitous second messengers that function downstream of many G protein-coupled receptors and tyrosine kinases regulating cell growth, calcium metabolism, and protein kinase C activity. This gene encodes an enzyme which regulates the amount of phosphatidylinositol available for signaling by catalyzing the conversion of phosphatidic acid to CDP-diacylglycerol. This enzyme is an integral membrane protein localized to two subcellular domains, the matrix side of the inner mitochondrial membrane where it is thought to be involved in the synthesis of phosphatidylglycerol and cardiolipin and the cytoplasmic side of the endoplasmic reticulum where it functions in phosphatidylinositol biosynthesis. Two genes encoding this enzyme have been identified in humans, one mapping to human chromosome 4q21 and a second to 20p13. [provided by RefSeq, Jul 2008]

**Locus ID:**

8760

**MW:**

75.6