

Product datasheet for SC100434

PLCL2 (NM_015184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLCL2 (NM_015184) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLCL2
Synonyms:	PLCE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100434 sequence for NM_015184 edited (data generated by NextGen Sequencing)

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ATGCCAACAGAGAAGAAGATCAGCAGTGCAAGTGATTGTATTAATTCAATGGTTGAGGGT
TCAGAACTCAAAAAGGTTTCGCTCCAACCTAGAAATTTATCATAGGTACTTTTACTGGAT
GCTGACATGCAGAGCCTAAGGTGGGAGCCATCTAAGAAGGATTCTGAGAAAGCCAAGATT
GACATTAATCCATCAAGGAAGTGAGAACAGGAAAAACACAGACATATCCGCAGCAAT
GGCATTCTGACCAGATATCTGAAGATTGTGCGTTTTCCGTCATATATGGAGAGAATTAT
GAGTCACTGGATTGGTTGCCAACTCCGCAGATGTTGCAAACATCTGGGTTACAGGACTG
CGGTACCTAATTTCTTATGGAAAACATACACTTGATATGTTAGAAAGTAGCCAAGATAAC
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ATAACTCTGTGAATGCTGTGCAATGTATCAGAAACCTCAATCCTGGTTTAAAAACGAGC
AAAATTGAGCTTAAGTTCAAAGAATTGCATAAATCAAAGGACAAAGCTGGTACCGAGGTC
ACAAAGGAAGAATTTATTGAGGTTTTTCATGAGCTTTGTACTAGACCTGAAATTTATTTT
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CTTGAGGCAGAACAGGGTGTGGCACATATAAATGAGGAAATAAGCCTTGAAATTATTCAC
AAATATGAACCATCCAAAGAGGGTCAGGAAAAGGGCTGGCTCTCCATAGACGGGTTCACT
AATTACCTTATGTCACCTGACTGTTATATATTCGATCCAGAACATAAGAAGGTCTGTCAG
GATATGAAGCAACCTCTGTCTCATTACTTTATAAACTCATCTCATAATACATACTTAATA
GAGGATCAGTTCGAGGTCCTCCGACATCACAGGATATATTCGAGCTCTTAAATGGGT
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GCATTCTTTGCTTCAGAGTATCCTCTTATCTTGTGTTAGAAAACCACTGTTCCATTAA
CAACAGAAGGTAATGGTTCAGCACATGAAGAACTTTTAGGAGACAAGCTCTATACAACA
TCACCCAATGTTGAGGAATCTTATCTACCATCCCCAGATGTCCTGAAAGGGAAAACTA
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GATGAAGGAGCAGAAATGTCTCAGAGGATGGGAAAAGAGAACATGGAGCAACCCAATAAT
GTGCTGTGAAGCGATTTGAGCTTTGTAAGAAGTGTCTGAACTGGTCAGCATCTGCAAA
  
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TCAGTTCAGTTCAAAGAATTTTCAGGTGTCGTTTCAGGTTCAAGTACTGGGAAGTCTGT
TCCTTTAATGAAGTGCTTGCCAGCAAGTACGCCAATGAAAATCCAGGGGACTTTGTAAAT
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CATTGTGAGAAGGCAGCCATGGAATTCATGAACACTTGCACAGCATAGGCACCAAGGAA
GGTTTGAAGGAAAGAAACTACAAAAGCAGTGGAGAGCTTTACCTGGAATATTACCATC
TTAAAGGGACAAGCAGATCTTTTGAATATGCTAAGAATGAGACATTGGAGAACCTGAAA
CAAATCCATTTTCTGCTGTTTTCATGTGGACTGAATAAACCAAGGCACCGAAAAATGCTGAT
GTCCAGAAGCCACGCCGAGCTTGAAGTCATACCCGAAAAAGCAAACGATGAACTGGA
GAATGA

Clone variation with respect to NM_015184.5

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_015184 unedited
TCAACATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGCCATGGCGGATG
CGGCCGGGGGGCGCCGCGCGGGGCCCTGCCACCTCCCCGGGGCCGGCCCTCGGCGC
CAAGGGCGCCCTGAAAGCCGGAGTGGGGGAAGGCGGTGGCGGGGAGGTGCGCTCGGCCA
CGGGCGGGCGCGCTATGACAGCGCGGGGTTTCCAACGGAGACTGCAGCCTCGGCGTGTC
CGGGGACGAAGCCCGGGCTAGCCCTACCAGGGGACCCCGGGCGTTGCGCTCGCCCCGAC
CCCCAGCGCGGTCTGTACCTCCCCGGGAGAGCAAGCCGGGCGGCCTGCCCCGCCG
GAGCAGCATCATCAAGGATGGTACAAAACAGAAGAGGGAACGGAAAAAGACAGTCTCATT
CAGCAGCATGCCAACAGAGAAGAAGATCAGCAGTGCAAGTGATTGTATTAATTCAATGGT
TGAGGGTTTCAGAACTCAAAAAGGTTTCGCTCCAACCTCTAGAATTTATCATAGGTACTTTTT
ACTGGATGCTGACATGCAGAGCCTAAGGTGGGAGCCATCTAAGAAGGATTCTGAGAAAGC
CAAGATTGACATTAATCCATCAAGGAAGTGAGAACAGGAAAAACACAGACATATTCGG
CAGCAATGGCATTTCTGACCAGATATCTGAAGATTGTGCGTTNTCCGTCATATATGGAGA
GAATTATGAGTCACTGGATTTGGTTGCCAACTCCGCAGATGTTGCNACATCTGGTTTACA
GGACTGCGGTACCTATTTCTTATGGAAAACATACACTTNGATATGTAGAAAGTAGCCAA
GATAACATGAGGACTTCNTGGGGTTCCACAATGGTTAGTGAAATTGATGTANATAACCTT
GGACATATAACTCTGTGAATGCTGTGCAATGTATCAAAACCTCATNCTGGTTTAAACG
AGCAAAATGGACTAN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015184 unedited <pre> ACTGGTACNGCGCCGAATCGAGAGTTTTTTTAAATACAAACATCTTTTAAATGTGAACA TTTCTTCATACAATNGAAAACTATTTACAATGTATTGTTCCAGATTGGCTGCTTTTAC ATCATCTCTACCCATGTGCTGACTCGGCATGTATCTTCAGCCAGGGAGCTTCAGTCCAAT TGCACATTCTCCTCGATGGCTCTCCAAGGACCCCGGGATTACAGGAACCCGTCCACTTA CATTCTCTTTAGTAATTATGGCTCAGCAAGCATGCCACCAAAATCATCTAGAACCAGAG ACTCTGGCAACCCCATATAAGTAAAAATGTGTAGATCAGGTTTTTTTCTCCAATAAATAA TAATTTGACAATCCAATCCATTTCCATCTTAAGAAATTGTTTTCACTTAGGAAAATGTTT CTCAGTGGAGCTAGAGTGAATAATCTTTCTTCACTGGAAGTAAATGTCTTTG TATACAATATAGCATATTTGGCCAGCAATATAAGTGCCTGTTAAAGAGTTGATGTGCCA TGCCACACAAGAATGGTACAACATTTCCAGTTTAAAGAGATGGAATAACAATCCAAGTGT GCGTAAAAAACCCGAAAATTAGTCTCATTAGTGAAGGGCAAGCGAAAGGGCCCATCGAAC GACAAGTGGGCTAAAGGATAAAAGCCCAACATGGTTTAAAGAGAATTGCCAACATCGAA GATACGCACCTTGGCCTTAGGGGATGAATATCAAAGCCAACGGGAGCAATCAAGAAAGA AGCACGTGTGAGGAGCGGGAGTCATACCGCCATGAACATGACACAAACGAATATGAAC TGTTACAAGGTTTAGAAAGGGAAGGCGATAGGAAAAATTTAAGAAACAGCGCGNTGCGAA AGTAAGGAAGAGGAGAGGAGCAGAGGAGGGAACTGACGCGCGTCAACGGCAACGCGAA GAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015184
Insert Size:	4700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_015184.2, NP_055999.1</u>
RefSeq Size:	3956 bp
RefSeq ORF:	3006 bp
Locus ID:	23228
UniProt ID:	<u>Q9UPR0</u>
Cytogenetics:	3p24.3
Domains:	C2, PI-PLC-X, PI-PLC-Y, PH

Protein Families: Druggable Genome

Gene Summary: May play an role in the regulation of Ins(1,4,5)P3 around the endoplasmic reticulum.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) represents use of an alternate promoter and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.