

Product datasheet for **SC337782**

PLCH2 (NM_001303013) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLCH2 (NM_001303013) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLCH2
Synonyms:	PLC-eta2; PLC-L4; PLCeta2; PLCL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001303013, the custom clone sequence may differ by one or more nucleotides

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ATGGTACCTCTGGGACCCGGGCTTTCTGTGAGCAGGTGTGCAGGAACCGAGGGGGTGAGACCAGTCTGTT
CCTGGGCTGGGACAGCTGACTCTGGCCTGGACTCCCTGGACCTGCAGCCCCCTCTCCTGGGACAAGCTA
CAGCAGGAGGCTGAATGGAGAGAGAGGGGAGAGAAGGAGCGAGTGGAGCGGTGCATGGGTGCCATGCAA
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ACCGCTCCTGCATCCGCTGGAGGCCCTCACGCAAGAACGAGAAGGCCAAGATCTCCATCGACTCCATCCA
GGAGGTGAGTGAGGGGCGGCAGTCGGAGGTCTTCCAGCGCTACCCTGACGGCAGCTTCGACCCCCAAGTGC
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GCGCACCGAGGACAGTGGCTGAAGCAGACGTTTGACGAGGCCGACAAGAACGGGGATGGCAGCCTGAGC
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GATGTCCACCCGCGGGACCTCTACCTGCTCATGCTGACCTACAGCAACCACAAGGACCACCTGGATGCC
GCCAGCCTGCAGCGCTTCTGTCAGTGGAGCAGAAGATGGCGGGTGTGACCCCTCGAGAGCTGCCAGGACA
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TAAGAGGAACTGGATTCCCTCATCAAAGAGTGAAGATTCGGGACTGTGAGGACCCCAACAACTTCTCC
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CAGCAAGCTGAAGAAGGCGGCCAGCGTGGAGGAGGAGATGAGGGTCAGGACTCCCCGGGAGGCCAGAGC
CGAGGGGCGACCCGGCAGAAGAAGACCATGAAGCTGTCCGCGGCCCTCTCTGACCTGGTGAAGTACACCA
AGTCCGTGGCCACCCACGACATAGAGATGGAGGCGGCGTCCAGCTGGCAGGTGTGCTCTCAGCGAGAC
CAAGGCCCACAGATTCTGCAGCAGAAGCCGGCGCAGTACCTACGCTTCAACCAGCAGCAGCTCTCCCGC
ATCTACCCCTCCTCTACCGTGTGGACTCCAGCAACTACAACCCGAGCCCTTCTGGAACGCCGGCTGCC
AAATGGTTGCCCTGAAGTACCAGTCAGAGGGGCGGATGCTGCAGCTGAACCGAGCCAAGTTCAGCGCCAA
CGGTGGCTGCGGCTACGTACTCAAGCCTGGGTGCATGTGCCAGGGCGTGTCAACCCCAACTCGGAGGAC
CCCCTGCCCGGGCAGCTCAAGAAGCAGCTGGTGTCCGGATCATCAGTGGCCAGCAGCTTCCCAAGCCGC
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TGTGGACTGCAGCAGGGAGCAGACCCGCGTGGTGGACGACAACGGGTTCAACCCCACTGGGAGGAGACC
CTGGTTTTCATGTGACATGCCGGAGATCGCGCTGGTCCGCTTCTCGTCTGGGACCACGATCCCATCG
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AGAAGGGATGGAAGAGGCCTCCATCTTCGTGCATGTGGCTGTGAGTACATCAGCGGTAAAGTCAAGCAG
GCTCTGGGCTAAAAGGCCTCTTCTCCGAGGCCCAAAGCCGGCTCGTGGACAGTGTGCTGCTGGGC
GGCCCCCGGCCGCGCCCTCCGTTAGCCAGCGGATCCTGCGGCGCACGGCCAGCGCCCCGACCAAGAGCCA
GAAGCCGGGCGCAGGGGCTTCCCGAGCTGGTCTGGGTACACGGGACACAGGCTCCAAGGGGTGGCA
GACGATGTGGTGGCCCCCGGGCCGACCTGCTCCGGAAGCCCCAGCCAGGAGGGGCCGCGCAGCGGCA
GCCCCGAGCGGCCACTCCCCCACTGTGCAGCCTGGAACCATCGCTGA

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Restriction Sites: SgfI-MluI

ACCN:	NM_001303013
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_001303013.1, NP_001289942.1</u>
RefSeq Size:	5829 bp
RefSeq ORF:	3060 bp
Locus ID:	9651
UniProt ID:	<u>O75038</u>
Cytogenetics:	1p36.32
Protein Families:	Druggable Genome
Gene Summary:	PLCH2 is a member of the PLC-eta family of the phosphoinositide-specific phospholipase C (PLC) superfamily of enzymes that cleave PtdIns(4,5) P2 to generate second messengers inositol 1,4,5-trisphosphate and diacylglycerol (Zhou et al., 2005 [PubMed 16107206]). [supplied by OMIM, Jun 2009] Transcript Variant: This variant (3) differs in its 5' UTR, uses an alternate start codon, and uses an alternate splice site in the 3' coding region, which results in a frameshift compared to variant 1. The encoded isoform (3) has shorter and distinct N- and C-termini, compared to isoform 1.