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Product datasheet for SC304146

PLCH2 (NM_014638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLCH2 (NM_014638) 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)

Fully Sequenced ORF:

>SC304146 representing NM_014638.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGGTCCATGGCCCTCCCCCGACAGCCGGACCAAGGGAACGGTGGCCTGGCTGGCGGAGGTACTC
CTCTGGGTTGGAGGGAGTGTGGTGCTGTCTTCAGAGTGGCAGCTCGGCCCCCTGGTGGAGCGGTGCATG
GGTGCCATGCAAGAGGGGATGCAGATGGTGAAGCTGCGTGGCGGCTCCAAGGGCCTGGTCCGCTTCTAC
TACCTGGACGAGCACCGCTCCTGCATCCGCTGGAGGCCCTCACGCAAGAACGAGAAGGCCAAGATCTCC
ATCGACTCCATCCAGGAGGTGAGTGAGGGGCGGCAGTCGGAGGTCTTCCAGCGCTACCCTGACGGCAGC
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AGCAGCGAGGTGGCGCGCACCTGGGTCACTGGCCTGCGCTACCTCATGGCCGGCATCAGCGACGAGGAC
AGCCTGGCTCGCCGCCAGCGCACCAGGGACCAGTGGCTGAAGCAGACGTTTGACGAGGCCGACAAGAAC
GGGGATGGCAGCCTGAGCATTGGCGAGGTCCTGCAGCTGCTGCACAAGCTCAACGTGAACCTGCCCCGG
CAGAGGGTGAAGCAGATGTTCAGGGAAGCGGACACGGATGACCACCAAGGGACGCTGGGTTTTGAAGAG
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CACAAGGACCACCTGGATGCCGCCAGCCTGCAGCGCTTCCTGCAGGTGGAGCAGAAGATGGCGGGTGTG
ACCCTCGAGAGCTGCCAGGACATCATCGAGCAGTTTGAGCCATGCCCAGAAAACAAGAGTAAGGGGCTG
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ATGCTCAAGGGCAAGATCCTCGTGAAGGGGAAGAAGCTCCCAGCCAACATCAGCGAGGATGCGGAGGAA
GGCGAGGTGTCTGATGAGGACAGTGCTGATGAGATTGACGATGACTGCAAGCTCCTCAATGGGGATGCA

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TCCACCAATCGAAAGCGTGTAGAAAACACTGCTAAGAGGAAACTGGATTCCCTCATCAAAGAGTCGAAG
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TTCCTCCGAGGCCCAAAGCCCGGCTCGCTGGACAGTCATGCTGCTGGGCGGCCCCCGGCCCGGCCCTCC
GTTAGCCAGCGGATCCTGCGGCGCACGGCCAGCGCCCCGACCAAGAGCCAGAAGCCGGGCCGCAGGGGC
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CCCCTCTCCACGCAGCGGCCACTCCCCCCACTGTGCAGCCTGGAAACCATCGCTGAGGAGCCCGCCCCA
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GGACCCGGAGCCAATGTGGCAAGCCCCCTAGAGGACACTGAGGAGCCCCGAGACAGCAGGCCTCGGCCG
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GCCCCTAGCTTTGAGGGCGGCTCCCGCAGACTGAGCCACAGCCTGGGCCTCCCGGGAGGGACACGGCGG
GTGTCGGGGCCAGGGGTGAGACGGGACACCCTGACAGAGCAGCTGCGCTGGCTCACTGTCTTCCAGCAG
GCAGGAGACATCACGTCACCCACCAGCCTGGGCCCGGCTGGGGAGGGGGTGGCAGGGGGCCCTGGTTTT
GTGCGGCGCTCCTCCTCCCGCAGCCACAGCCGCGTGCGTGCCATTGCCAGCCGGGCCCGCCAGGCCCAG
GAGCGGCAGCAGAGACTGCAGGGCCTGGGCCGGCAGGGACCCCCAGAAGAGGAGCGGGGCACCCCCGAG
GGCGCCTGCTCCGTGGGCCACGAGGGCAGTGTGGATGCACCAGCACCCTCCAAGGGAGCCCTCGGGCCA
GCATCCGCGGCTGCTGAAAACCTGGTCCTGCTCCGCCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_014638
Insert Size:	4251 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_014638.3
RefSeq Size:	4857 bp
RefSeq ORF:	4251 bp
Locus ID:	9651
UniProt ID:	O75038
Cytogenetics:	1p36.32
Protein Families:	Druggable Genome
MW:	154.7 kDa
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 (1) encodes the longest isoform (1).