

Product datasheet for RC226295

Phospholipase c eta 1 (PLCH1) (NM_001130961) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phospholipase c eta 1 (PLCH1) (NM_001130961) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLCH1
Synonyms:	PLC-L3; PLC eta 1; PLCL3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226295 representing NM_001130961 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGACCTTGAAGTGTATAAAAACCTAAGTCCAGAAAAGTTGAAAGATGCATGAGTGTGATGCAGT
CCGGGACACAGATGATCAAGCTGAAACGTGGAACCAAAGGGCTTGTCCGCCTCTTTACCTGGATGAGCA
CCGGACACGCCTCCGATGGCGACCTCTAGGAAGAGTGAGAAGGCAAAAATACTTATTGATTCCATTTAC
AAAGTGACTGAGGGCCGGCAGTCTGAAATATTCCACAGACAAGCTGAGGGGAACTTCGACCCAGCTGCT
GCTTCACCATCTACCATGGCAACCACATGGAGTCCCTGGACCTCATCACCTCCAACCCCGAGGAGGCCCCG
CACCTGGATCACAGGCCCTCAAGTACCTGATGGCTGGCATCAGTGAAGACTCCCTTGCCAAAAGGCAG
AGGACCCATGACCAATGGGTGAAGCAGACCTTTGAGGAAGCTGATAAGAAATGGTGACGGCTTGTGAATA
TTGAAGAGATACATCAGCTGATGCATAAACTGAATGTTAATCTGCCCGAAGAAAAGTCAGACAAATGTT
TCAGGAAGCCGACACAGATGAGAATCAGGGAACCTTTGACATTTGAAGAGTTCTGTGTTTTTACAAAATG
ATGTCTTTGAGACGAGACCTTTATTTGTTACTTTTGGCTACAGTGACAAGAAAAGATCACTAATGTG
AAGAAGTGGCTCAGTTTTTGAAGGTGGAGCAAAAGATGAATAATGTGACAACGGACTATTGTCTTGACAT
CATAAAGAAGTTTGAAGTTTCAAGAAAATAAGGTGAAAATGTTCTTGCCATAGAAGGCTTACGGAAC
TTCATGCGTAGTCTGCCTGTGACATATTTAACCCATTGCACCATGAAGTGTACCAAGACATGGATCAGC
CCCTCTGCAACTACTACATTGCTTCTCTCACAATACATACCTGACTGGAGACCAGCTCCTTTCTCAGTC
CAAAGTGGATATGTATGCACGGGTGCTGCAAGAGGGCTGTGCTGTGGAAGTTGACTGTTGGGATGGC
CCAGATGGAGAGCCAGTAGTACATCATGGTTACACTCTCACTTCAAAAATCTCTTCAGAGATGTTGTGG
AGACCATCAACAAGCATGCCTTTGTGAAGAATGAGTTTCTGTTATATTGTCTATCGAGAATCACTGCAG
TATCCAGCAGCAAAGGAAGATTGCTCAGTACCTGAAAGGAATATTCGGAGACAACTGGACCTGTCATCT
GTTGATACAGGGAGTGAAGCAGCTTCCAAGCCCTCAAAGTTTGAAGGCAAAAATCTAGTGAAGGGTA
AGAAGTTGCCTTATCACCTTGGGGATGATGCAGAGGAAGGGGAAGTTTCTGATGAGGACAGTGCAGATGA
AATTGAAGACGAGTGCAATTCAAGCTCCATTATAGTAATGGGACCAGTGCAGTGAAGTGAATCTTTCT
ATAAGGAAAAAAGTGGAGTCACTGTTAAAAGAATCTCAAATTCGAGATAAAGAAGATCCTGATAGTTTCA



[View online >](#)

CAGTGCGGGCACTACTGAAGGCCACGCATGAAGGCTTAAATGCACACCTGAAGCAGAGTCCAGATGTAAA
 GGAAAGTGGAAAGAAATCACATGGACGATCCCTCATGACCAACTTTGGAAAAATAGAAAACTACAAAA
 TCACGGTCTAAATCTTACAGTACTGATGATGAGGAAGACACACAGCAGAGTACTGGCAAGGAGGGTGGCC
 AGCTGTACAGATTGGGTGCGCCGAAGGAAAAACATGAAGCTCTGCCGAACTCTCTGATTTGGTTGTGTA
 CACAACTCCGTGGCCGCTCAGGACATTGTGGTAGCAGGAACACAGGAAATGTGTTATCATTAGTGAA
 ACAAGAGCACATCAGGTTGTTGAGCAAAAATCAGAGCAGTTCATGATTTATAATCAAAAGCAACTCAGCA
 GGATTTACCCCTCTGCCTACCGCATTGATCCAGTAACTCAACCCTCTCCCTACTGGAACGCAGGCTG
 CCAGCTAGTGGCACTGAATTATCAATCTGAAGGACGAATGATGCAGTTAAACCGAGCCAAATTCAAGGCA
 AATGGCAATTGTGGCTATGTCCTCAAACCCAGCAAAATGTGCAAAGTACTTTCAACCCTTTCTCTGGTG
 ACCCTCTCTGCAACCCCAAAAAGCAGCTCATCCTGAAAGTTATCAGTGGACAGCAACTCCCAAAACC
 TCCAGACTCCATGTTTGGAGATCGAGGCGAGATCATTGACCCTTTTGTGAAAGTTGAAATATTGGATTG
 CCAGTAGATTGTTGTAAGATCAAACCCGTGTGGTAGATGACAATGGATTTAACCTGTGTGGGAAGAAA
 CACTGACATTTACAGTACACATGCCAGAAATAGCTTTGGTTGCGTTCCTGTGTGGGATCAGATCCCAT
 TGGACGAGACTTTGTTGGACAAAGAACTGTGACCTTCAGCAGCTTAGTGCCTGGTACCGGCATGTCTAT
 TTGGAAGGACTGACAGAAGCATCCATATTTGTACACATAACCATCAATGAAATCTATGGAAGTGGAGCC
 CTTAATACTCAACCCAGTTATACTATATTGCACTTTCTAGGAGCTACAAGAAGACAGCAACTCCAGGG
 TCTGAAGGACTGTTCAATAAGAATCCTAGGCACAGTTCTTCAGAAAAAATCCATTATGTACGGAAG
 CGATCCATTGGAGATAGAATTCTGCGACGCACAGCTAGCGCCCAAGGCAGGAAAAAGAGCAAAA
 TGGGCTTCCAAGAAATGGTGGAGATAAAGGATTCTGTGTCGAGGCCACAAGAGATCAAGATGGCGTGCT
 GAGGAGGACCACGCAGTTTGAAGCAGCCCTGTCTCTATGCCTGTTGACAGAAACCTTCTGGGAGCT
 TTGTCGCTGCCTGTATCTGAAACAGCAAAAGACATTGAAGGAAAAAGAAACTCTCTAGTACAAAT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226295 representing NM_001130961
 Red=Cloning site Green=Tags(s)

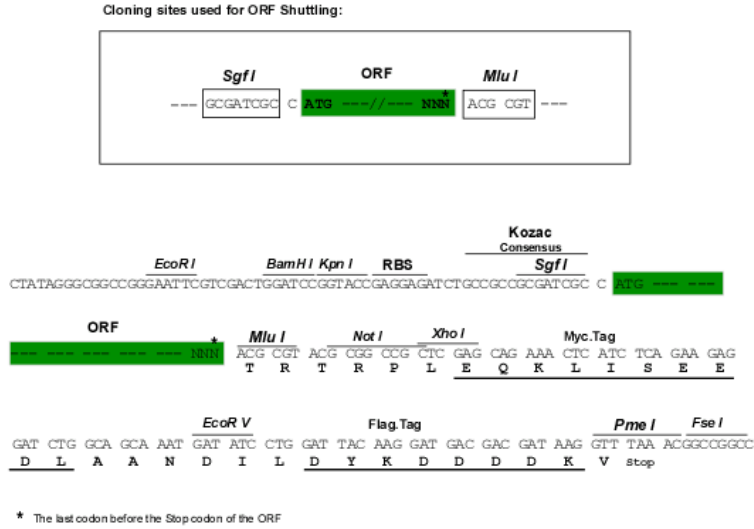
MADLEVYKNLSPEKVERCMSVMQSGTQMIKLRGRTKGLVRLFYLDEHRTLRLRWRPSRKSEKAKILIDSIY
 KVTEGRQSEIFHRQAEGNFDPSCCFTIYHGNHESLDLITSNPEEARTWITGLKYL MAGISDEDSLAKRQ
 RTHDQWVKQTFEEADKNGDGLLNIEEIHQLMHKLNVNLP RRKVRQMFQEADTDENQGLTFEEFCV FYKM
 MSLRRDLYLLLLSYSDKKDHLTVEELAQFLKVEQKMNNVTTDYCLDI IKKFEVSEENKVKNVLGIEGFTN
 FMRSPACDIFNPLHHEVYQDMDQPLCNYYIASSHNTYLTGDQLLSQSKVDMYARVLQEGCRCVEVDCWDG
 PDGEPVVHHGYLTLSKILFRDVVETINKHAFVKNEFPVILSIENHCSIQQQRKIAQYLKGFIDKLDLSS
 VDTGECKQLPSPQLKGLVKGKLPYHLGDDAEEGEVSDSDEIEDECKFKLHYSNGTTEHQVESF
 IRKKLESLLKESQIRDKEDPDSFTVRALLKATHEGLNAHLKQSPDVKESGKSHGRSLMTNFGKHKTKK
 SRSKSYSTDDEEDTQSTGKEGGQLYRLGRRRKTMKLCRELSDLVYVYTNVAAQDIVDDGTTGNVLSFSE
 TRAHQVVQKSEQFMIYNQKQLTRIYPSAYRIDSSNFNPLPYWNAGCQLVALNYQSEGRMMQLNRAKFKA
 NGNCGYVLKPPQCKGTFNPFSGDPLPANPKQLILKVISGQQLPKPPDSMFGDRGEIIDPFVEVEIIGL
 PVDCKDQTRVVDNNGFNVPVWEETLFTVHMPEIALVRFVVDHDPIGRDFVQRTVTFSSLVPGYRHVY
 LEGLTEASIFVHITINEIYGKWSPLILNPSYILHFLGATKNRQLQGLKGLFNKNPRHSSSENNSHYVRK
 RSIGDRILRRTASAPAKGRKSKMGFQEMVEIKDSVSEATRQDQGVLRRTTRSLQARPVSMVPDRNLLGA
 LSLPVSETAKDIEGKENS LVQI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

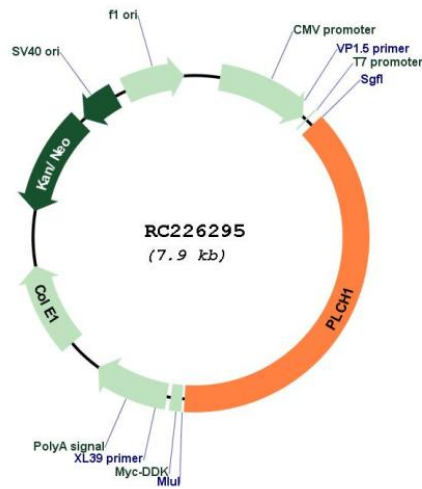
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130961
 ORF Size: 3006 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001130961.2
RefSeq ORF:	3009 bp
Locus ID:	23007
UniProt ID:	Q4KWH8
Cytogenetics:	3q25.31
Protein Families:	Druggable Genome
MW:	114.3 kDa
Gene Summary:	PLCH1 is a member of the PLC-eta family of the phosphoinositide-specific phospholipase C (PLC) superfamily of enzymes that cleave phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) to generate second messengers inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG) (Hwang et al., 2005 [PubMed 15702972]).[supplied by OMIM, Jun 2009]