

Product datasheet for MR220516

Plch1 (NM_001177733) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plch1 (NM_001177733) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plch1
Synonyms:	BC042549; PLC-eta-1; PLCeta1; Plcl3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR220516 representing NM_001177733 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGACCTTGAAGTGTATAAAAACCTAAGTCCAGAAAAGTTGAAAGATGCATGAGTGAATGCAGT
CCGGGACACAGATGATCAAACCTGAAGCGTGGCACCAAAGGGCTCGTTCGCCTCTTTACCTGGATGAGCA
CCGGACCCGCCTCCGATGGCGACCTCTCGGAAGAGTGAGAAGGCAAAAATACTTATTGACTCCATCTAC
AAAGTCACCGAGGGCAGGCAGTCTGAAATATTCCACAGACAGGCTGAGGGGAACTTTGACCTAGCTGCT
GCTTTACCATCTACCATGGCAACCACATGGAGTCTCTGGACCTCATTACCTCCAACCCAGAGGAGGCACG
CACCTGGATCACGGGCTCAAGTATCTGATGGCTGGCATCAGTGAAGACTCCCTTGCCAAGAGGCAG
AGGACCCATGACCAATGGGTGAAGCAGACCTTTGAGGAAGCTGATAAGAACGGTGAAGCTTATTGAATA
TTGAAGAGATTCACCAGCTGATGCATAAACTAAATGTCAATCTGCCCCGAGAAAAGTCAGGCAAAATGTT
TCAGGAAGCAGATACAGATGAGAATCAGGGAACCTTGACATTTGAAGAGTTCTGCGTTTTTACAAAATG
ATGTCATTGAGACGAGACCTCTATTTGCTGCTCTTGAGCTACAGTGACAAGAAAGACCCTGACTGTGG
AGGAGCTGGCTCAGTTTTTGAAGTGAACAAAAGATGAGTAATGTGACACTGGACTATTGTCTTGACAT
CATAATGAAGTTTTGAAGTTTCTGAAGAAAACAAAGTGAAAACGTCCTTGGTATAGAAGGCTTCACGAAC
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CAGTGAGGGCGTTACTCAAGGCTACACATGAAGGCTTAAATGCACACCTGAAGCAGAACCTGGATGTAAA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220516 representing NM_001177733
 Red=Cloning site Green=Tags(s)

MADLEVYKNLSPEKVERCMSVMQSGTQMIKLRGKTKGLVRLFYLDEHRTRLRWRPSRKSEKAKILIDSIY
 KVTEGRQSEIFHRQAEGNFDPSCCFTIYHGNHMESLDLITSNPEEARTWITGLKYL MAGISDEDSLAKRQ
 RTHDQWVKQTFEEADKNGDGLLNIEEIHQLMHKLNVNLP RRKVRQMFQEADTDENQGLTFEEFCV FYKM
 MSLRRDLYLLLLSYSDKKDHLTVEELAQFLKVEQKMSNVLDYCLDIIMKFEVSEENKVNVLGIEGFTN
 FMRSPACDVFNPLHHEVYQDMDQPLCNYIASSHNTYL TGDQLLSQSKVDMYARVLQEGCRCVEVDCWDG
 PDGEPVVHHGYLT SKILFRDVETINKHAFVKNEFPVILSIENHCSIQQQRKIAQYLK GILQDKLDLSS
 VDTGECRQLPSPQSLKGLILVKGKLPYHLGDDAEEGEVSEDESADEIEDECKFKLHYSNGTTEHQVESF
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 KSRKSYSTDDEDSLQNPGEKGGQLYRLGRRRTMKLCRELSDLV VYTNVSVAQQDIVDDGTTGNVLSFS
 ETRAHQVVQKSEQFMIYNQKQLTRIYPSAYRIDSSNFNPLPYWNAGCQLVALNYQSEGRMMQINRAKFK
 ANGNCGYILKPQMCKGTFNPFSGDPLPANPKKQLILKVISGQQLPKPPDSMFGDRGEIIDPFVEVEIIG
 LPVDCCCKDQTRVVDNNGFNPVWEETLTFVHMPEIALVRFLVWDHDP IGRDFVGRQRTVTFSSLVPGYRHV
 YLEGLTEASIFVHITINEIFGKWSPLILNPSYTI LHF LGATKNRQLQGLKGLFNKNPRHASSENNSHYVR
 KRSIGDRILRRRTASAPAKGRKSKVGFQEMVEIKDSVSEASRDQDGLRRTTRSLQVRPVSMPVDKSLLG
 ALSLPISEAAKDTDGKENCLDLNRKQRKQETRMTEEREPQLEKTHIFQISTKSYPPPPVRSSTKMPTKGG
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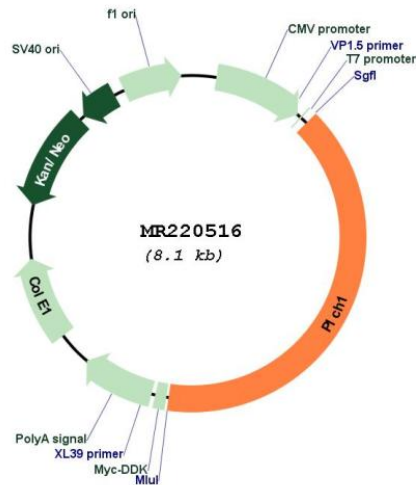
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177733

ORF Size: 3219 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_001177733.2
RefSeq Size:	6289 bp
RefSeq ORF:	3222 bp
Locus ID:	269437
UniProt ID:	Q4KWH5
Cytogenetics:	3 E1
MW:	123.2 kDa
Gene Summary:	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by calcium-activated phosphatidylinositol-specific phospholipase C enzymes.[UniProtKB/Swiss-Prot Function]