

## Product datasheet for **SC326312**

### Phospholipase c eta 1 (PLCH1) (NM\_001130961) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phospholipase c eta 1 (PLCH1) (NM_001130961) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLCH1
Synonyms:	PLC-L3; PLC eta 1; PLCL3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130961, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGACCTTGAAGTGATATAAACTTAAGTCCAGAAAAAGTTGAAAGATGCATGAGT
GTGATGCAGTCCGGGACACAGATGATCAAGCTGAAACGTGGAACCAAAGGGCTTGTCCGC
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AAGGCAAAAATACTTATTGATTCCATTTACAAAGTACTGAGGGCCGGCAGTCTGAAATA
TTCCACAGACAAGCTGAGGGGAACCTTCGACCCAGCTGCTGCTTACCATCTACCATGGC
AACCACATGGAGTCCCTGGACCTCATCACCTCCAACCCGAGGAGGCCCGCACCTGGATC
ACAGGCCCTCAAGTACCTGATGGCTGGCAGTCAAGTGAAGACTCCCTTGCCAAAAGGCAG
AGGACCCATGACCAATGGGTGAAGCAGACCTTTGAGGAAGCTGATAAGAATGGTGACGGC
TTGCTGAATATTGAAGAGATACATCAGCTGATGCATAAACTGAATGTTAATCTGCCCCGA
AGAAAAGTCAGACAAATGTTTCAGGAAGCCGACACAGATGAGAATCAGGGAACTTTGACA
TTTGAAGATTCTGTGTTTTTACAAAATGATGTCTTTGAGACGAGACCTTTATTTGTTA
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GAATCTCAAAATTCGAGATAAAGAAGATCCTGATAGTTTCACAGTGCAGGCACTACTGAAG
GCCACGCATGAAGGCTTAAATGCACACCTGAAGCAGAGTCCAGATGTAAGGAAAGTGGAA
AAGAAATCACATGGACGATCCCTCATGACCAACTTTGGAAAACATAAGAAAACACAAAA
TCACGGTCTAAATCTTACAGTACTGATGATGAGGAAGACACACAGCAGAGTACTGGCAAG
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GAGGGTGGCCAGCTGTACAGATTGGGTCGCCGAAGGAAAACCATGAAGCTCTGCCGAGAA  
 CTCTCTGATTTGGTTGTGTACACAACTCCGTGGCCGCTCAGGACATTGTGGATGACGGA  
 ACCACAGGAAATGTGTTATCATTCAAGTAAACAAGAGCACATCAGGTTGTTTCAGCAAAA  
 TCAGAGCAGTTTATGATTATAATCAAAAGCAACTCACGAGGATTTACCCCTCTGCCTAC  
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 GCACTGAATTATCAATCTGAAGGACGAATGATGCAGTTAAACCGAGCCAAATTCAGGCA  
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 ACACGCAGTTTGAAGCAGCCCTGTCTCTATGCCTGTTGACAGAAACCTTCTGGGAGCT  
 TTGTCGCTGCCTGTATCTGAAACAGCAAAAGACATTGAAGGAAAAAGAACTCTCTAGTA  
 CAAATC

- Restriction Sites:** Please inquire
- ACCN:** NM\_001130961
- 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\\_001130961.1](#), [NP\\_001124433.1](#)
- RefSeq Size:** 6473 bp
- RefSeq ORF:** 3009 bp
- Locus ID:** 23007

UniProt ID: [Q4KWH8](#)

Cytogenetics: 3q25.31

Protein Families: Druggable Genome

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)P<sub>2</sub>) to generate second messengers inositol 1,4,5-trisphosphate (IP<sub>3</sub>) and diacylglycerol (DAG) (Hwang et al., 2005 [PubMed 15702972]).[supplied by OMIM, Jun 2009]  
Transcript Variant: This variant (3), as well as variant 4, encodes isoform c.