

Product datasheet for **SC118496**

Phospholipase D1 (PLD1) (NM_002662) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phospholipase D1 (PLD1) (NM_002662) Human Untagged Clone
Tag:	Tag Free
Symbol:	Phospholipase D1
Synonyms:	CVDD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002662, the custom clone sequence may differ by one or more nucleotides

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ATGTCACTGAAAAACGAGCCACGGGTAATACCTCTGCACTGCAGAAAATTGCTGCTGACATGAGTAATA
TCATAGAAAATCTGGACACGCGGAACTCCACTTTGAGGGAGAGGAGGTAGACTACGACGTGCTCCAG
CGATCCCAAGATAACAAGAAGTGTATATCCCTTTCTCTGCTATTTATAACACTCAAGGATTTAAGGAGCCT
AATATACAGACGTATCTCTCCGGCTGTCCAATAAAAGCACAAGTTCTGGAAGTGGAAACGCTTCACATCTA
CAACAAGGGTACCAAGTATTAATCTTTACTACTATTGAATTAACACATGGGGAATTTAAATGGCAAGTTAA
GAGGAAATTCAGCATTTTCAAGAATTTACAGAGAGCTGCTCAAGTACAAGCCTTTATCCGCATCCCC
ATTCCTACTAGAAGACACACGTTTAGGAGGCAAAACGTCAGAGAGGAGCCTCGAGAGATGCCAGTTTGC
CCCGTTTCTGAAAACATGATAAGAGAAGAACAATTCCTTGGTGAAGAAAACAACCTGGAAGATTACTT
GACAAAGATACTAAAAATGCCCATGTATAGAACTATCATGCCACAACAGAGTTTCTTGATATAAGCCAG
CTGTCTTTTATCCATGATTTGGGACCAAGGGCATAGAAGGTATGATAATGAAAAGATCTGGAGGACACA
GAATACCAGGCTTGAATTGCTGTGGTCAGGGAAGAGCCTGCTACAGATGGTCAAAAAGATGGTTAATAGT
GAAAGATTCCTTTTTATTGTATATGAAACCAGACAGCGGTGCCATTGCCTTCGTCTGCTGGTAGACAAA
GAATTCAAAATTAAGGTGGGGAAGAAGGAGACAGAAACGAAATATGGAATCCGAATTGATAATCTTTCAA
GGACACTTATTTTAAAAATGCAACAGCTATAGACATGCTCGGTGGTGGGGAGGGGCTATAGAAGAATTCAT
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AAGAGATTTTTATCACAGACTGGTGGCTGAGTCCAGAAATCTTCCTGAAACGCCAGTGGTTGAGGGAAA
TCGTTGGAGGTTGGACTGCATTCTTAAACGAAAAGCACAACAAGGAGTGAGGATCTTCATAATGCTCTAC
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ACATAAAGGTGATGAGACACCCGGATCATGTGTCATCCACCGTCTATTTGTGGGCTACCATGAGAAGCT
TGTCATCATTGACCAATCGTGGCCTTTGTGGGAGGGATTGACCTGGCCTATGGAAGGTGGGACGACAAT
GAGCACAGACTCACAGACGTGGCAGTGTGAAGCGGGTCACTTCAGGACCGTCTCTGGTTCCTCCAC
CTGCCGAATGGAGTCTATGGAATCCTTAAAGACTCAAAGATAAAAATGAGCCTGTTCAAAACCTACCCAT
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CCAGAAGAGTATTGATGATGTGGATTCAAACCTGAAAGGAATAGGAAAGCCAAGAAAGTTCTCAAATTT
AGTCTCTACAAGCAGCTCCACAGGCACCACCTGCACGACGCAGATAGCATCAGCAGCATTGACAGCACCT
CCAGTTATTTTAACTACTATAGAAGTCATCACAATTTAATCCATGGTTTTAAACCCCACTTCAAACCTTT
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CAGACAGGTGTGGGAGAGCTGCATGGGAAACCAGATTCTGGCATGGAAGGACTACTGCAATTCGTCT
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CCTAGTAACTGAGCTTATCTATGTCACAGCAAGTTGTTAATTGCTGATGATAAACTGTTATTATTGGC
TCTGCCAACATAAATGACCCGAGCATGTGGGAAAGCGTGACAGTGAAATGGCTGTCATTGTGCAAGATA
CAGAGACTGTTCCCTTCAATGGATGGAAAAGAGTACCAAGCTGGCCGGTTTGGCCGAGGACTTCGGCT
ACAGTGCTTTAGGGTTGCTCTGGCTATCTTGATGACCAAGTGAGGACATTCAGGATCCAGTGAGTGAC
AAATCTTCAAGGAGGTGTGGGTTTCAACAGCAGCTCGAAATGCTACAATTTATGACAAGTTTTCCGGT
GCCTTCCCAATGATGAAGTACACAATTTAATTCAGCTGAGAGACTTTATAACAAGCCGTTATTAGCTAA
GGAAGATCCCATTGAGCTGAGGAGGAACTGAAGAAGTCCGTGGATTTTGGTGAATTTCCCTTTTAT
TTCTTGTCTGAAGAAAGCCTACTGCCTTCTGTTGGGACCAAGAGGCCATAGTCCCATGGAGGTTTGA
CTTAA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002662 unedited
TGCATTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCAGAGGCCGCCAACGCGCA
GGTGCTAGCGGCCCTTCGCCCTGCAGCCCTTTGCTTTTACTCTGTCCAAGTTAACAT
GTCAGTGAAAAACGAGCCACGGGTAATACCTCTGCACTGCAGAAAATTGCTGTGACAT
GAGTAATATCATAGAAAATCTGGACACGCGGGAATCCACTTTGAGGGAGAGGAGTAGA
CTACGACGTGTCTCCAGCGATCCCAAGATACAAGAAGTATATCCCTTTCTCTGCTAT
TTATAACTCAAGGATTTAAGGAGCCTAATATACAGACGTATCTCTCCGGCTGTCCAAT
AAAAGCACAAGTTCTGGAAGTGGAAACGCTTACATCTACAACAAGGTTACCAAGTATTA
TCTTTACTACTATTGAATTAACACATGGGAATTTAAATGGCAAGTTAAGAGGAAATCAA
GCATTTTCAAGAATTTACAGAGAGCTGCTCAAGTACAAAGCCTTTATCCGCATCCCCAT
TCCCACTAGAAGACACAGTTTAGGAGGCAAAACGTGAGAGAGGAGCCTCGAGAGATGCC
CAGTTTGGCCCGTTCATCTGAAAACATGATAAGAGAAGAACAATTCCTTGGTAGAAGAAA
ACAACAGAGTTTCTTGTATAAGCCAGCTGTCTTTCATCCATGATTTGGGACCAAGGG
CATAGAGTATGATATGAAAAGATCTGGAGACACAGATACCAGCTGAATTGCTGTGTCAGG
GAGAGCCTGTACAGATGCAAAAAGATGTATAGTGAAGATCTTTTATTGTATATGGATC
AGAACGCGGTGCATTGCCTCGTCTGCTGTAGACAAGATCAATAGTGGAAAGGAACAGAAC
GAAATTGAATCCGAT
    
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Restriction Sites:

Please inquire

ACCN:

NM_002662

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:	A TrueClone.
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:	<u>NM_002662.2</u> , <u>NP_002653.1</u>
RefSeq Size:	5494 bp
RefSeq ORF:	3225 bp
Locus ID:	5337
UniProt ID:	<u>Q13393</u>
Cytogenetics:	3q26.31
Protein Pathways:	Endocytosis, Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerophospholipid metabolism, GnRH signaling pathway, Metabolic pathways, Pancreatic cancer, Pathways in cancer
Gene Summary:	<p>This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>