

Product datasheet for MR211495

Pld1 (NM_001164056) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pld1 (NM_001164056) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pld1
Synonyms:	AA536939; C85393; mPLD1; Pld1a; Pld1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211495 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACTGAAAAGCGAGACCAGGGTGAACACGTCTACACTGCAGAAAATCGCCGCAGATATGAGCAACC
TGATAGAAAATCTCGACACCCGGGAGCTTCATTTTGGGGAGAGGAGGTGGAATATGACGCATCTCCAGG
AGACCCCAAGGCCAGGAAGGGTGCATCCCATTCTTTTACAACACTCAAGGATTTAAGGAGCCC
AACATCCAGACCTACCTCTCTGGCTGTCCATAAAAGCACAAGTACTGGAAGTGGAGCGCTTCACATCGA
CCTCAAGGGTGCCAAGTATCAACCTGTACACGATCGAGTTAACGCACGGGAATTCACATGGCAAGTTAA
GAGGAAATTCAGCACTTCCAAGAGTTTACAGAGAGCTGCTCAAGTACAAAGCCTTCATCCGGATCCCC
ATCCCCACTAAAAGACATACATTTAGAAGACAAAATGTCAAAGAAGAACCCCGAGAGATGCCAGTCTGC
CCCGTTTATCAGAAAACGCAATCCAGGAAGAGCAGTTCTTTGGCAGGAGGAAGCAACTGGAAGATTACTT
GACAAAAATACTAAAAATGCCCATGTACAGAACTATCATGCCACGACAGAGTTCCTTGATGTAAGCCAG
CTGTCTTCATCCATGATCTGGGACCAAAGGCCCTGGAAGGAATGATCATGAAAAGGTCTGGGGACACA
GGATACCAGGTGTAATTGCTGTGGCCATGGACGAGCCTGCTACCGGTGGTCAAAGAGGTGGTTGATAGT
AAAAGACTCTTTCCTGCTCTATATGAAACCAGATAGCGGGGCTATTGCCTTCGTCTCCTTGTAGATAAA
GAATTGAGAGTCAAAGTGGGAAGGAAAGAGACAGAAACGAAATATGGACTTCGGATCGATAATCTTTCAA
GGACCCTGATTTTAAAATGTAACAGCTACAGACACGCCCGGTGGTGGGGAGGCGCCATCGAGGAGTTTCA
CCGGAAGCATGGAGCTGACTTCTCAAAGACCATCGCTTCGGGTCTACGCCGCTCTCCATGAGAACACG
TTAGCTAAGTGGTATGTGAACGCCAAAGGTTACTTTGAAGACATCGCAAATGCAATGGAAGAGGCATCGG
AAGAGATTTTTATCACAGATTGGTGGTTAAGTCCAGAAATCTTCTGAAGCGCCAGTGGTGAAGGCAA
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ACATAAAGGTGATGAGACACCCAGACCAGTGTCTCCAGCGTGTACCTGTGGGCTCACCATGAGAAGCT
TGTCATTATCGACCAATCAGTGGCTTTCGTGGGTGGGATTGACCTGGCCTACGGAAGGTGGGATGACAA



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GAGCACAGACTCACAGACGTGGGCAGTGTCAAGCGGGTCACCTCAGGACTGTCTCTGGGCTCCCTCACGG
 CAGCATCAGTAGAGTCTATGGAATCCTTAAGCCTCAAGGATAAACATGAATTTTCATAAAAAGGAGCCCAT
 CTCAAAGATTGTTGATGAGACTGACATGAAGCTGAAAGGGATAGGAAAGTCCAGGAAATTCCTCAAATTT
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 CCCGCCAAAGTGCAGTTGCTCCGATCTGCTGCTGATTGGTCTGCTGGTATAAAGCACCATGAGGAATCCA
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 CGAAATGGCTGTCATAGTGCAGGACACAGAGACGGTCCCATCGGTGATGGATGGAAGGAATATCAGGCT
 GGTTCGCTTTGCCCGAGACCTTCGCCTGGAGTGCCTCAGACTTGTCTGGGTTATCTTTCTGACCCAAGTG
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 TTTATAAACAAGCCATATTAGCAAAAGAGGATCGCCTTCGCGCCGAGGAAGAACTGAGGAAGATCCGCG
 GGTTCTTGGTGCAGTTCCTCTCTATTTCTTATCAGAAGAGAACCTGCTGCCTTCTGTTGGAACCAAGA
 AGCCATTGTGCCTATGGAGTTTGGACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211495 protein sequence
 Red=Cloning site Green=Tags(s)

MSLKSETRVNTSTLQKIAADMSNLIENLDRELHFEGEEVEYDASPGDKAQEGCIPFSSIYNTQGFKEP
 NIQTYLSGCPIKAQVLEVERFTSTSRVPSINLYTIELTHGEFTWQVQRKFKHFQEFHRELLKYKAFIRIP
 IPTKRHTFRRQNVKEEPREMPSLPRSENAIQEEQFFGRRKQLEDYLTKILKMPMYRNYHATTEFLDVSQ
 LSFIDHDLGPKGLEGMIMKRSGGHRIPGVNCCGHGRACYRWSKRWLIVKDSFLLYMKPDSGAI AFVLLVVK
 EFRVVKGRKETETKYGLRIDNLSRTLILKNSYRHRARWWGGAIEEFIRKHGADFLKDRFRG SYAALHENT
 LAKWYVNAKGYFEDIANAMEEASEEIFITDWLSP EIFLKR PVVEGNRWRLDCILKRKAQQGVRI FIMLY
 KEVELALGINSEYSKRTLMRLHPNIKVMRHPDHVSSSVYLWAHHEKLVII DQSVAFVGGIDLAYGRWDDN
 EHRLTDVGSVKRVTSGLSLGSLTAASVESMESLSLKDKEHFHKKEPI SKIVDETMDKLGIGKSRKFSKF
 SLYRQLHRHHLHNADSISSIDSTNTGSI RSVQTVGVELHGETRFWHGKDYCNFVFKDWVQLDKPFADFI
 DRYSTPRMPWHDIGSVVHGKAARDVARHF IQRWNF TKIMPKYRSLSYPFLLPKSQATAHELRYQVP GAV
 PAKVQLLRSAADWSAGIKHHEESIHAAYIHVIENSKHYIYIENQFFISCADDKVVFNKVGDAIAQRILKA
 HREGQRYRVYI VIPLLPGFEGDISTGGGNALQAIMHFNYRTMCRGESSILEQLKPELGNKWINYISFCGL
 RTHAELEGNLVT ELIYVHSLKLLIADDNTVIIGSANINDRSM LGKRDESEMAVIVQDTETVPSVMDGKEYQA
 GRFARDLRL ECFRLVLGYLSDPSEDLQDPVSDKFFKEI WVSTAARNATIYDKVFRCLPNDEVHNL IQLRD
 FINKPILAKEDRLRAEEELRKIRGFLVQFPLYFLSEENLLPSVGTKEAIVPMEVWT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001164056

ORF Size: 3111 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:**
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_001164056.1](#), [NP_001157528.1](#)

RefSeq Size: 4987 bp

RefSeq ORF: 3111 bp

Locus ID: 18805

