

Product datasheet for **MC222683**

Pld2 (NM_008876) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pld2 (NM_008876) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pld2
Synonyms:	PLD1C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>MC222683 representing NM_008876
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGTAACCCAGAAGAACCTCTTCCCTATGGGGACTATCTGAACTCCAGCCAGTTGCACATGGAGC
 CAGATGAGGTTGACACTCTGAGGGAAGGAGAGGATCCAGCTGATCGAATGCATCCCTATCTGGCCATCTA
 TGACCTTCAGCCTCTGAAAGCACACCCCTTGGTGTTCGCCCTGGGGTCCCTGTTATAGCCAGGTGGTG
 GGCACCGAAAGATACACCAGCGGATCCAAGGTGGGAACCTGACTCTATATTCTGTTTCGCTTGACGCATG
 GTGACTTTACCTGGACAACCAAGAAGTTCGACACTTTCAGGAGCTGCATCGGGACCTCCAGAGACA
 CAAAGTCTTGATGAGTCTGCTCCCTTTGGCTCGCTTGTGTGACCCATTCTCCAGCCCGAGAGGCCAGCC
 GCCGAGGATATACCTCCCTACCCGAGGAGTCTGAGGGCTCTGCCAGACACAGCCAGCAAACAGA
 AATACTTGAAAATTACCTCAACCGCTCTGACCATGTCTTTCTATCGCAATTACCACGCCATGACAGA
 ATTTCTGGAAGTCAGTCAACTTCTTTATCCCAGACCTTGGCTCCAAAGGACTGGAAGGGGTGATCCGG
 AAGCGCTCGGGCGGCATCGAGTCCCGCTTACCTTCTGTGGCCGAGACCAAGTTTGTATCGATGGT
 CCAAGAGGTGGCTGGTGGTGAAGGACTCCTTCTGCTGTACATGCGCCCGAGACCCGGCGCCATCTCATT
 TGTTACGCTTTTTGACCTGGCTTTGAGGTCCAGTTCGAAAAAGGAGCACAGAGACCGGTATGGGGTG
 AGGATCGACACCTCCACAGGTCCCTGATTCTCAAATGCAGCAGTACCAGCAGGACCGTGGTGGGGCC
 AGGAGATCACGGAGCTGGCACAGGGTTCGGGCAGAGATTTCTACAGCTACATCAGCATGACAGCTATGC
 CCCACCCCGCCCGCACCTGGCCCGTGGTTTGTGAATGGGGCAGTTACTTTGCTGCTGTGGCAGAT
 GCCATCTGCGAGCTCAAGAGGAGATTTTATCACAGACTGGTGGTTGAGTCTGAAATTTACCTGAAGC
 GTCAGCCCATTCGACGACTGGAGACTGGACATTATGCTCAAGAGGAAGCGGAAGAAGGTGTCGGAGT
 TTCATACTGCTGTTAAAGGAAGTGGAGCTGGCCTTGGGCATCAACAGTGGCTACAGCAAGAGGACGCTG
 ATGCTGCTGCATCCCAACATAAAGGTGATGCGACACCCAGACCTTGTGACTGTGGGCTCATCACGAGA
 AGCTCCTGGTGGTAGACCAAGTGGTGGCATTCTTGGGCGGCTGGACCTGGCCTTCGCGCCCTGGGATGA
 CGTGCAATACCGACTGACTGACCTGGGTGACCCCTCTGAACCTGTACATTTACAGACTCCACACTAGGT
 TCAGACCTGCAGCCACTCCAGACCTCTCGATAACCAATTTCTTGGCTGGGAAAGGACTACAGCAACC
 TCATCACCAAGGACTGGGTGCAGCTGGACCGCCTTTTGAAGATTTATCGACAGGGAGACCACACCCAG
 GATGCCATGGAGGATGTTGGAGTGGTTGTACACGGAGTAGTCCAGGGACCTTGCCCGCACTTCATC
 CAGCGCTGGAATTTACCAAGACCACCAAGGCCAGGTATAAGACACCTTTGTACCCCTACCTGCTGCCCA
 AGTCCACCAGCACTGAAACAATCTCCCTTCATGATCCAGGGCGGCAGTGTGCCACTGTGCGAGTCTT
 GAGGTCTGTGGATCGATGGTCAGCAGGGACATTGGAGAATCCATCCTCAATGCCTACCTACATACCATT
 CGAGAGAGCCAGCACTTCTCTACATTGAGAATCAGTTCTTCAATTAGCTGCTCAGATGGGCGAACAGTTC
 TGAACAAGGTGGGCGATGAGATTGTGGACAGAATCCTGAAGGCTCACGAACAGGGGCAGTGTTCGGAGT
 CTACTTGCTTCTGCCTTTGCTCCCTGGCTTTGAGGGGGACATCTCCACAGGGGGTGGTAACCTCCATCCAG
 GCTATTCTGCACTTACCTACAGGACCTGTGTGCTGGGAACATTCAATCCTACATCGTCTCAAAGCAG
 CCATGGGGACTGCGTGGCGAGATTACATGTCCATCTGTGGCTTCGCACCCATGGAGAGCTGGGCGGGCA
 CCCAATCTCTGAGCTCATCTATATCCACAGCAAGATGCTCATTGCGGATGACAGAACAGTCACTATTGGT
 TCTGCGAACATCAATGACAGGAGCTTGTGGGAAGCGTGACAGTGAAGTACCCATCCTGATCAAGGACA
 CAGAAATGGAACCATCCCTCATGGATGGGTGGAGTACCAGGCAGGCAGATTTGCCTTGAGTTTGGGAA
 GCACTGTTTCACTGTGATTCTTGGGGCAAATACCTGGCCAGACCTGGATCTCCGAGACCTGTCTGTGAT
 GACTTCTCCAGCTGTGGCAAGAAACAGCGGAGAAACAATGCCACCATCTATGAGCAGATCTTCCGCTGCC
 TGCCGTCCAAATGCTACCCGTTCCCTGCGGGCTCTCCGGGAGTATGTGGCTGTGGAGTCTTGGCTACAGT
 CAGCCCTCTTTGGCTCAGTCTGAGCTTGGCCACATCCAGGGCCACCTAGTTCATTCCCCCTCAAGTTT
 CTGGAGGACGAGTCTTGTGCCCCACTGGGGAGTAAAGAAGGGATGATACCTTTAGAAGTGTGGACAT
 AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_008876
Insert Size:	2802 bp
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).
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_008876.3 , NP_032902.1
RefSeq Size:	3703 bp
RefSeq ORF:	2802 bp
Locus ID:	18806
UniProt ID:	P97813
Cytogenetics:	11 42.99 cM
Gene Summary:	<p>This gene is a member of the phospholipase D (PLD) superfamily. The encoded protein catalyzes the hydrolysis of phosphatidylcholine to phosphatidic acid and choline. Phosphatidic acid is an essential intracellular lipid second messenger for many signaling pathways and has been implicated in a variety of physiological processes including cytoskeletal organization and cell proliferation. A similar gene in human may also function as a guanine nucleotide exchange factor (GEF) for the small GTPase Rac2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>