

Product datasheet for **SC111548**

PLD5 (NM_152666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PLD5
Synonyms:	PLDC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene ORF within SC111548 sequence for NM_152666 edited (data generated by NextGen Sequencing)

ATGGAGATCCGGCAGCAGAGTGGCTCTCGGCCTCCCCCATGAGGGCTTCGAGCAGATG
AGGCTCAAAAGCCGCCCAAGGAGCCCTCCCAAGCCTGACCCGAGTGGGCGCGAACTTC
TACAGCAGCGTCAAGCAGCAGGACTACAGCGCCAGCGTCTGGCTTCGGAGGAAAGACAAG
CTGGAGCACTCCCAGCAGAAGTGCATCGTGATCTTTGCCCTGGTGTGCTGCTTTGCCATT
CTGGTTGCACTGATCTTTTACGCCGTGGACATCATGGGAGAGGATGAGGATGGACTCTCA
GAAAAAATTGCCAAATAAATGTGCAATTGCCCTGGTGGAAAAATATTCCTGAAGGCCCTT
AACTATTAGAAAAATGCACCATTTCACTTATCACTTTTCCAAGGCTGGATGAATTTACTC
AACATGGCCAAAAAGTCTGTTGACATAGTGTCTTCCCATTTGGGATCTCAACCACACTCAT
CCATCAGCATGTGAGGGTCAACGTCTTTTTGAAAAGTTGCTCCAGCTGACTTCGCAAAAT
ATTGAAATCAAGCTAGTGAGTGATGTAACAGCTGATTCAAAGGTATTAGAAGCCTTGAAA
TTAAAGGGAGCCGAGGTGACGTACATGAACATGACCGCTTACAACAAGGGCCGGCTGCAG
TCCTCCTTCTGGATCGTGGACAAACAGCACGTATATCGGCAGTGCCGGTTTGGACTGG
CAATCCCTGGGACAGATGAAAGAACTCGGTGTCATCTTCTACAACGACGCTGCCTGGTC
CTAGATTTACAAAGGATATTTGCTCTATATAGTTCAATTAATTAAGCAGAGTGCCT
CAAACCTGGTCCAAAGACTCTATGGAGTCTATGACAAATGAAAAGAAATGCAACTTCAG
TTGAATGAAACCAATCTCAAGCATTTGTATCGAATTCTCCAAACTCTTTTGCCTAAA
AACAGAAGTTTTGACATAGATGCCATCTACAGTGTGATAGATGATGCCAAGCAGTATGTG
TACATCGCTGTCATGGACTACCTGCCTATCTCCAGCACAAGCACCAGGAAAGGACTTACTGG
CCAGACTTGGATGCAAAATAAGAGAAGCATTAGTTTTACGAAGCGTTAGAGTTCGACTC
CTTTTAAGCTTCTGGAAGGAACTGATCCCTTACGTTTAACTTTATTTTCATCTCTTAAA
GCGATTTGCACTGAAATAGCCAACTGCAGTTTGAAGTTAAATTTTTGATCTGGAAGA
GAGAATGCTTGTGCTACAAAAGAAACAAAAGAAATCACACCTTTCCTAGGTTAAATCGCAAC
AAGTACATGGTGACAGATGGAGCAGCTTATATTGAAATTTTGATTGGGTAGGGAATGAT
TTCACCTCAGAAATGCTGGCAGGGCCTTGTATCAACAGGCAGATGTGAGGAACAACAGA
AGCATCATTAAGCAACTTAAAGATGTGTTTGAAGGGACTGGTATTCACCGTATGCCAAA
ACCTTACAGCCAAACCAACAGCCGAACTGCTCAAGCCTGTTCAAACCTCAAACCCCTCTCC
AACAAAACCTGCCACAGACGACACAGGCGGAAAGGATCCCCGGAACGTATAA

Clone variation with respect to NM_152666.2

5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_152666 unedited

AAGGTTTTCAATTTGTATACGACTTACTATAGGGCGGCCGGAATTCGACCAGGCCCTCC
CTCCTTCCGCCCCGCGCCTCCCGCGATCGCCCCCTCCGCCCCGCGCGCTCCAGCTGG
CGCTCAGCACCCCCGCGCTCCCGCGCCCGCTCGCTCCTCCAGCTCCTCCAGCTCAGTCTC
CAGCTCCACCTCCGGCTCCCGCTGGGCCTCCCGCTCGCCCTCCGCGCCCCGCTCCCCGCG
CGCCCTGCCGAGTCCGCTGCTCGCCGGCGGCCGCCCGGTTCATGTGAGGATGGAGATCCG
GCAGCACGAGTGGCTCTCGGCCTCCCCCATGAGGGCTTCGAGCAGATGAGGCTCAAAAG
CCGCCCAAGGAGCCCTCCCAAGCCTGACCCGAGTGGGCGCGAACTTCTACAGCAGCGT
CAAGCAGCAGGACTACAGCGCCAGCGTCTGGCTTCGGAGGAAAGCAAGCTGGAGCACTC
CCAGCAGAAGTGCATCGTGATCTTTGCCCTGGTGTGCTGCTTTGCCATTCTGGTTGCACT
GATCTTTTACGCCGTGGACATCATGGGAGAGGATGAGGATGGACTCTCAGAAAAAATTG
CCAAAAATAAATGTGCAATTGCCCTGGTGGAAAAATTCCTGAAGGCCTTAACTATTGAGA
AAATGCACCATTTCACTTATCACTTTTCCAAGGCTGGATGAATTTACTCAACATGGCCAA
NAAGTCTGTTGACATAGTGTCTTNCATTGNGATCTCACCACACTCATCCATCAGCATG
TCAGGGTCAAACGTCTTTTGAAGTGTCTCCAGCTGACTTCGCAATATTGNAATCAG
CTAGTGAGTGATGAACAGCTGATTCAAAGTATTAGAAGCCTTGAAATTAAGGGAGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152666 unedited <pre> AATATAACTATGGTCGTGGCCGCACTCTTAGATTAGTTTTTTTTTTTTTTTTTATTA TAATGCTTATCATTTATATAGGTTCTTTTGATTTCAAAACAAGTTATAAATATTTCTAC CGTGACAACATCCTTGCGAGGTAGGTGAGTTATTACCGTCTACATTACCAAGAGAAGCCC GAGGCCAAGCAGTGAGGGGCTCCGCTTTGAGTCACAGAGTCGGAACAACATTGGAAGTGA GACATCCCGCCACCTGCTGTGGGCTCTGAAGAGGCCATGCCTCTCCCTAGTGTAGCAAT GGTCTCCATTAATACAGGGGTATATATTGTATAGATATAAAACAACAACACACAATTACG TTATAGAACAATAATTCATATTTCTGCTTCTTAGTAAATATGTTAAGCACAGTATTTA AATTGCATTTCTCTGAAAAGCATTGGTATATTAATAGCAGAAGGTATATTAATAGCT CTAGAAACGTTTGCTGGCATACTCTTAACAGCATAATGATTCTAAAGAAATTAATCA CTGACGCATAGAGATTTTCTTTATAATACCATAAACTGAACAAAATGTGAAAACTA CTTTATCCCAAAATGCAGACTTGATAGCTTGCTGGATATTAGCAGGTGGCTACATAATT TTTCTGAGCTTGAGAGAAAGGATACATATTGCTGACTGTGATTTTTTTTAAATACCAATT CGGTAGGGGAAAAAAGATTGAGTTGANAGGTGAAAATGAAAGACTGCTATTTCCACTTA GTATCCATTCTGAAAAATTGTATGTTTTCAAAAGATGTATCATAGTTAGAAGTATGNTG AGTGAATACAGNAATGCTNTNTATAGGAACATTTGTGAGAAGAAAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152666
Insert Size:	3000 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152666.1, NP_689879.1</u>
RefSeq Size:	2729 bp
RefSeq ORF:	1335 bp
Locus ID:	200150
UniProt ID:	<u>Q8N7P1</u>

Cytogenetics: 1q43

Domains: PLDc