

Product datasheet for **RC234232**

PDLIM5 (NM_001256427) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM5 (NM_001256427) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDLIM5
Synonyms:	ENH; ENH1; L9; LIM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234232 representing NM_001256427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAACTACAGTGTGCTACTGGTTGGCCAGCTCCTTGGGGTTCCGGCTGCAGGGCGGTAAGGATT
 TCAACATGCCTCTGACAATCTCTAGTCTAAAAGATGGCGCAAGGCAGCCAGGCAAATGTAAGAATAGG
 CGATGTGGTTCTCAGCATTGATGGAATAAATGCACAAGGAATGACTCATCTTGAAGCCCAGAATAAGATT
 AAGGGTTGTACAGGCTCTTTGAATAGTCTGCAAAGAGCATCTGCTGCACCCAAGCCTGAGCCGGTTC
 CTGTTCAAAGGCCACAGTACCAGCGTGTGTTCCGAGACTTCTCAGGAGCTAGCAGAGGGACAGAGAAG
 AGGATCCCAGGGTGACAGTAAACAGCAAATGGGAAAATCCACCTAAACGCCACCAAGAAAACACATT
 GTGGAGCGCTATACAGAGTTTTATCATGTACCCACTCACAGTATGCCAGCAAGAAGAGACTGATTGAGG
 ATACTGAAGACTGGCGTCCAAGGACTGGAACAACCTCAGTCTCGCTCTTTCCGAATCCTTGCCAGATCAC
 TGGGACTGAACATTTGAAAGAATCTGAAGCCGATAATACAAAGAAGGCAAATAACTCTCAGGAGCCTTCT
 CCGCAGTTGGCTTCTCGGTAGCTTCCACACGGAGCATGCCCGAGAGCCTGGACAGCCCAACCTCTGGCA
 GACCAGGGGTTACCAGCCTCACAACTGCAGCTGCCTTCAAGCCTGTAGGATCCACTGGCGTCATCAAGTC
 ACCAAGCTGGCAACGGCCAAACCAAGGAGTACCTTCCACTGGAAGAATCTCAAACAGCGCTACTTACTCA
 GGATCAGTGGCACCAGCCAACCTCAGCTTTGGGACAAACCCAGCCAAGTGACCAGGACACTTTAGTGCAAA
 GAGCTGAGCACATTCCAGCAGGGAAACGAACTCCGATGTGCGCCATTGTAACCAGGTATCAGAGGACC
 ATCTTAGTGGCACTGGGAAAATCTTGGACCCAGAAGAATCAACTGCGCTCACTGCAAAAATACAATG
 GCCTACATTGGATTTGTAGAGGAGAAAGGAGCCCTGTATTGTGAGCTGTGCTATGAGAAAATCTTTGCC
 CTGAATGTGGTGCATGCCAAAGGAAGATCCTTGGAGAAGTCATCAGTGCCTTGAACAACAACTGGCATGT
 TTCCTGTTTTGTGTGTAGCCTGTGAAAGCCATTCCGAACAATGTTTTTCACTTGGAGGATGGTGAA
 CCTACTGTGAGACTGATTATTATGCCCTCTTTGGTACTATATGCCATGGATGTGAATTTCCCATAGAAG
 CTGGTGACATGTTCTGGAAAGCTCTGGGCTACACCTGGCATGACACTTGTCTTGTATGCTCAGTGTGTTG
 TGAAGGTTTGAAGGTCAGACCTTTTTCTCCAAGAAGGACAAGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234232 representing NM_001256427
 Red=Cloning site Green=Tags(s)

MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSLKDGKAAQANVRIGDVVLSIDGINAQGMTHLEAQNKI
 KGCTGSLNMTLQRASAAPKPEPVQKPTVTSVCSETSQLAEGQRRGSQGDQNGKIPPKRPPRKHI
 VERYTEFYHVPHTSDASKKRLIEDTEDWRPRTGTTQSRFRILAQITGTEHLKESEADNTKKANNSQEPS
 PQLASSVASTRSMPELSDPTSGRPGVTSLTAAAFKPVGSTGVIKSPSWQRPNQVPSTGRISNSATYS
 GSVAPANSALGQTQPSDQDLVQRAEHIPAGKRTMPMAHCNQVIRGPFLVALGKSWHPEEFNCAHCKNTM
 AYIGFVEEKGALYCELCYEKFFAPECGRCQRKILGEVISALKQTVHVSFCFVACGKPIRNNVFHLEDGE
 PYCETDYALFGTICHGCEFFIEAGDMFLEALGYTWHDTCFVCSVCCESLEGQTFFSKDKPL

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001256427

ORF Size: 1449 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_001256427.1](#), [NP_001243356.1](#)

RefSeq Size: 3834 bp

RefSeq ORF: 1452 bp

Locus ID: 10611

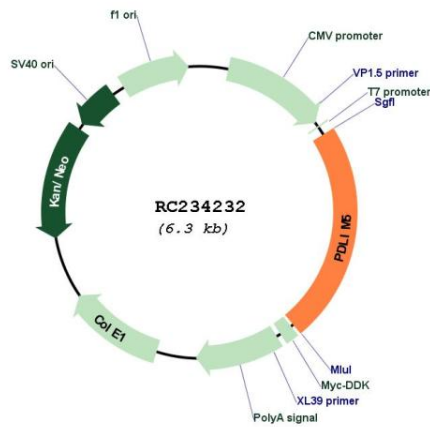
Cytogenetics: 4q22.3

Protein Families: Druggable Genome

MW: 53.1 kDa

Gene Summary: This gene encodes a member of a family of proteins that possess a 100-amino acid PDZ domain at the N terminus and one to three LIM domains at the C-terminus. This family member functions as a scaffold protein that tethers protein kinases to the Z-disk in striated muscles. It is thought to function in cardiomyocyte expansion and in restraining postsynaptic growth of excitatory synapses. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC234232