

Product datasheet for **RC223308**

PDLIM5 (NM_001011515) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM5 (NM_001011515) 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)
ORF Nucleotide Sequence:	>RC223308 representing NM_001011515 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAACTACAGTGTGCTCACTGGTTGGCCAGCTCCTTGGGGTTTCCGGCTGCAGGGCGGTAAGGATT
TCAACATGCCTCTGACAATCTCTAGTCTAAAAGATGGCGGCAAGGCAGCCAGGCAAATGTAAGAATAGG
CGATGTGGTTCTCAGCATTGATGGAATAAATGCACAAGGAATGACTCATCTTGAAGCCAGAATAAGATT
AAGGGTTGTACAGGCTCTTTGAATATGACTCTGCAAAGAGCATCTGCTGCACCCAAGCCTGAGCCGGTTC
CTGTTCAAAGCCACAGTCACCAGCGTGTGTTCCGAGACTTCTCAGGAGCTAGCAGAGGGACAGAGAAG
AGGATCCCAGGGTGACAGTAAACAGCAAAATGGGAAAATCCCACCTAAACGCCACCAAGAAAACACATT
GTGGAGCGCTATACAGAGTTTTATCATGTACCCACTCACAGTGATGCCAGCAAGAAGAGACTGATTGAGG
ATACTGAAGACTGGCGTCCAAGGACTGGAACAACCTCAGTCTCGCTCTTTCCGAATCCTTGCCAGATCAC
TGGGACTGAACATTTGAAAGAACTGAAGCCGATAATACAAAGAAGGCAAGGAAAAGATACCCCTTAC
GTCTTTAGTCCCAAATACACAAAATTACGTGACTGGCACCATGAAGTTTCAGCACGTGCTTTACGTAC
AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223308 representing NM_001011515
Red=Cloning site Green=Tags(s)

MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSLKDGKAAQANVRIGDVVLSIDGINAQQGMTHLEAQNKI
 KGCTGSLNMTLQRASAAPKPEPVVQKPTVTSVCSETSQELAEGQRRGSQGDSKQQNGKIPKRPKRKHI
 VERYTEFYHVPHSDASKKRLIEDTEDWRPRTGTTQSRFRILAQITGTEHLKESEADNTKKAKEKIPLH
 VFSPKYTKLRDWHHEVSARALNVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001011515

ORF Size: 702 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_001011515.2](#), [NP_001011515.1](#)

RefSeq Size: 2031 bp

RefSeq ORF: 705 bp

Locus ID: 10611

UniProt ID: [Q96HC4](#)

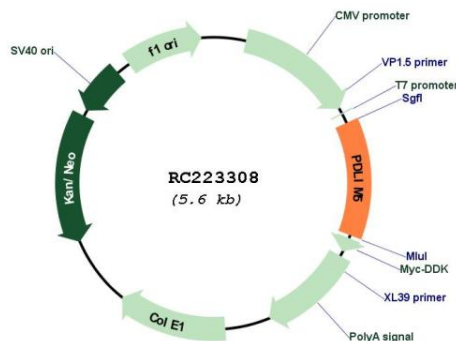
Cytogenetics: 4q22.3

Protein Families: Druggable Genome

MW: 25.9 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 RC223308