

Product datasheet for **SC332382**

PDLIM5 (NM_001256427) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDLIM5 (NM_001256427) Human Untagged Clone
Tag: Tag Free
Symbol: PDLIM5
Synonyms: ENH; ENH1; L9; LIM
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332382 representing NM_001256427.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCAACTACAGTGTGCTACTGGTTGGCCAGCTCCTTGGGGTTCCGGCTGCAGGGCGTAAGGAT
TTCAACATGCCTCTGACAATCTCTAGTCTAAAAGATGGCGCAAGGCAGCCAGGCAAATGTAAGAATA
GGCGATGTGGTTCTCAGCATTGATGGAATAAATGCACAAGGAATGACTCATCTTGAAGCCCAGAATAAG
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GTTCTGTTCAAAAGCCACAGTCACCAGCGTGTGTTCCGAGACTTCTCAGGAGCTAGCAGAGGGACAG
AGAAGAGGATCCCAGGGTGACAGTAAACAGCAAATGGGAAAATCCCACCTAAACGCCACCAAGAAAA
CACATTGTGGAGCGCTATACAGAGTTTTATCATGTACCCACTCACAGTGATGCCAGCAAGAAGAGACTG
ATTGAGGATACTGAAGACTGGCGTCCAAGGACTGGAACAACCTCAGTCTCGCTCTTTCCGAATCCTTGCC
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ACCTCTGGCAGACCAGGGGTTACCAGCCTCACAACCTGCAGCTGCCTTCAAGCCTGTAGGATCCACTGGC
GTCATCAAGTCACCAAGCTGGCAACGGCCAAACCAAGGAGTACCTTCCACTGGAAGAATCTCAAACAGC
GCTACTTACTCAGGATCAGTGGCACCAGCCAACCTCAGCTTTGGGACAAACCCAGCCAAGTGACCAGGAC
ACTTTAGTGCAAAGAGCTGAGCACATTCAGCAGGGAAACGAACCTCCGATGTGCGCCCATTTGTAACCA
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TGCAAAAATACAATGGCCTACATTGGATTTGTAGAGGAGAAAGGAGCCCTGTATTGTGAGCTGTGCTAT
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CACTTGGAGGATGGTGAACCCTACTGTGAGACTGATTATTATGCCCTCTTTGGTACTATATGCCATGGA
TGTGAATTTCCATAGAAGCTGGTGACATGTTCTGGAAGCTCTGGGCTACACCTGGCATGACACTTGC
TTTGTATGCTCAGTGTGTGTGAAAGTTTGAAGGTCAGACCTTTTTCTCCAAGAAGGACAAGCCCTG
TAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256427
Insert Size: 1452 bp



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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:	<u>NM_001256427.1</u>
RefSeq Size:	3834 bp
RefSeq ORF:	1452 bp
Locus ID:	10611
Cytogenetics:	4q22.3
Protein Families:	Druggable Genome
MW:	52.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) uses an alternate in-frame splice site in the 5' coding region, contains an additional in-frame exon in the central coding region, and uses alternate 3' exon structure and thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (g) has a distinct C-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>