

Product datasheet for **MC204437**

Pdlim5 (NM_019808) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdlim5 (NM_019808) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdlim5
Synonyms:	1110001A05Rik; AI987914; C87059; Enh; Enh1; Enh2; Enh3; LIM
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037476
 CCACGCGTCCGCCACGCGTCCGCGGACGCGTGGGCGCTGGTCTGAGGCGGAGGGTGCGCCGTGCCGGTC
 AGGAGTTTCTTTTCATTTTCTAGAACTGCACGTTGAACCTGGGAACCATGAGCAACTACAGTGTGTCATT
 GGTCCGCCAGCTCCTTGGGGTTTCCGGCTCCAAGGTGGCAAGGATTTCAACATGCCTCTGACAATCTCT
 AGTCTGAAGGATGGTGGCAAGGCATCTCAGGCACATGTGAGAATAGGCGACGTGGTTCTCAGCATCGATG
 GGATCAGTGCACAGGGAATGACGCATCTGAAGCCCAGAACAAGATTAAGGCTTGATGGGCTCCTTGAA
 TATGACTCTACAAGAGCTTCAGCTGCAGCCAAGAGTGAAGCCGGTTCCGTCAGAAAGGGTGAACSTAAG
 GAAGTAGTTAAGCCTGTGCCATTACATCTCCTGCTGTATCCAAAGTCACTTCCACTACCAACATGGCCT
 ACAATAAAGCACCGGCCCTTTGGTTCTGTGTCTTACCAAAAGTCACATCCATCCCATCACCATCGTC
 TGCGTTACACCCAGCCATGCCGCCACTTCATCACATGCTTCCCCACACCTGTGGCCGCTGCCACTCCC
 CTCACCTCTCTGCATCCGGACTGCATGTTAGTGCCAATCTTAGTGCTGACCAGTGTTCATCTCCACCGA
 ACACTGGTAAACCTGCAGTTAATGTCCCACGGCAGCCACAGTACCAGCGTGTGTTCCGAGTCTGCTCA
 GGAGCTAGCAGAGGGACAGAGAAGAGGATCCCAGGGTACATTAAGCAGCAAAATGGCCACCAAGAAAA
 CACATTGTGGAGCGCAACACGGAGTTTTATCACATACCCACTCACAGTGTGCCAGCAAGAAACGGCTGA
 TTGAGGACTGAGGACTGGCGCCCCGGACTGGAACGACTCAGTCTCGTTCTTTCCGGATCCTTGCCCA
 GATCACTGGGACTGAGCATCTGACAGAATCTGAAAATGACAATACGAAGAAGGCAAAATAGACCCAGGAG
 CCTTCTCAGCAACCGGCGTCATCTGGAGCTTACCTCTGAGCGCGTCTGAGGGCCCCGAGAGCCAGGTT
 CCAGCAGGCCCTCGGTGGCTGGCCTCCGCTCCGCTGCTGCTTTCAAGCCTGTAGGATCCACCAGCGTCAA
 GTCACCTAGTGGCAGCGTCAAACCAAGCAGCACCTTCTACTGGGAGAAATTTCAAACAATGCACGTTCT
 TCAGGTACAGGGGCGTCTGTGGGGCCTCCCCAGCAAGTGACCAAGACACACTTGTGCAGAGAGCGGAAC
 ACATTCAGCGGGCAAGCGGACCCCATGTGTGCCACTGCAACCAAGTTATCAGGGGACCTTTTCTTGT
 GGCTCTGGGGAAGTCTTGCATCCAGAAGAATTAAGTGTGCTCATTGCAAAAACACAATGGCCTACATA
 GCCGGTGCCAAAAGGAAGATCCTTGGAGAAGTCATCAATGCTTTGAAGCAGACCTGGCATGTGTCCTGTTT
 TGTGTGTGGCCTGTGGAACCCATTGTAATAATGTTTTCCACTTGAAGATGGCGAGCCCTACTGT
 GAGACAGACTACTACGCCCTTTTTGGAACAATATGTCGTGGATGTGAATCCCCATAGAGGCTGGTGACA
 TGTTCTGGAAGCTCTGGGATACACTTGGCATGATACTTGCTTTGTGTGCTCTGTGTGTTGTGAAAGTTT
 GGAAGGGCAGACATTTTCTCCAAGAAGGACAAGCCACTTTGCAAAAACATGCTCATTCTGTGAATTTT
 TGAATAACAGTGGTTCCAGGAAAGAGAAGAAATTTGAAGAAAAAGCAAAATCAAATTTACCAATTTAATTT
 TTAGTTAATATTTATATGGAGTTCTCAAATAGTAATAGCCCTGAAGGCACAGACTCCAATTTAAAAAT
 CAAATCTGAGAAAACGTTTGGTTTGAAGGCCACAGACAGTTTGGCATTGTTATGAATTGCCAGTATTT
 TCTGCACATGAAATAGCTTTTATAAAAAATCAATTTCTGCTATTAAGTTCATCTTGAATAAATAGCA
 AAGTATTACATTTTGAATTAATAATCCCTAGCCTCTATGCTGAAATAACTTTGTGGGGCGGGTAGTAG
 CTATGAGAATCCACAGAAGGCAATAAAGTGCCTTAAACCTTATTAATAAGAATAATTTGTTAATAAAAA
 CTTTTTATCTTTAAAAATAGTAAGTAGAAATCTAAATAAATTTTATGAGTAGGCAGTAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_019808

Insert Size: 1776 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.

RefSeq: [BC037476](#), [AAH37476](#)

RefSeq Size: 2382 bp

RefSeq ORF: 1776 bp

Locus ID: 56376

UniProt ID: [Q8CI51](#)

Cytogenetics: 3 H1

Gene Summary: May play an important role in the heart development by scaffolding PKC to the Z-disk region. Isoform 2 and isoform 3 may negatively modulate the scaffolding activity of isoform 1. May play a role in the regulation of cardiomyocyte expansion. Overexpression promotes the development of heart hypertrophy. Contributes to the regulation of dendritic spine morphogenesis in neurons. May restrain postsynaptic growth of excitatory synapses (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) uses a different splice site and lacks alternate segments, compared to variant 4. The resulting protein (isoform ENH1) is shorter when it is compared to isoform ENH1e. This isoform has also been called ENH1/1a. 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.