

Product datasheet for **MR227653**

Pdlim5 (NM_001190854) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdlim5 (NM_001190854) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdlim5
Synonyms:	1110001A05Rik; AI987914; C87059; Enh; Enh1; Enh2; Enh3; LIM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227653 representing NM_001190854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAACTACAGTGTGTCATTGGTCGGCCAGCTCCTTGGGGTTCCGGCTCCAAGTGGAAGGATT
 TCAACATGCCTCTGACAATCTCTAGTCTGAAGGATGGTGGAAGGCATCTCAGGCACATGTCAGAATAGG
 GGACGTGGTTCTCAGCATCGATGGGATCAGTGCACAGGGAATGACGCATCTTGAAGCCCAGAAACAAGATT
 AAGGCTTGTACGGGCTCCTTGAATAGTCTACAAAGAGCTTCAGTGCAGCCAAGAGTGAGCCGGTTT
 CCGTCCAGAAGCCACAGTCAACAGCGTGTGTTCCGAGTCTGCTCAGGAGCTAGCAGAGGGACAGAGAAG
 AGGATCCAGGGTGACATTAAGCAGCAAATGGCCACCAAGAAAACACATTGTGGAGCGCAACACGGAG
 TTTTATCACATACCCACTCACAGTATGCCAGCAAGAACGGCTGATTGAGGACACTGAGGACTGGCGCC
 CCCGGACTGGAACGACTCAGTCTCGTTCTTCCGGATCCTTGCCAGATCACTGGGACTGAGCATCTGAC
 AGAATCTGAAAATGACAATACGAAGAAGGCAAATAGCACCCAGGAGCCTTCTCAGCAACCGCGTCACT
 GGAGCTTCACCTCTGAGCGCGTCTGAGGGCCCCGAGAGCCAGGTTCCAGCAGGCCCTCGGTGGCTGGCC
 TCCGCTCCGCTGCTGCTTCAAGCCTGTAGGATCCACCAGCGTCAAGTCACTAGCTGGCAGCGTCCAAA
 CCAAGCAGCACCTTCTACTGGGAGAATTTCAAACAATGCACGTTCTTCAAGTACAGGGGGCTGTGTGGG
 CCTCCCAGCCAAGTGACCAAGACACACTTGTGCAGAGAGCGGAACACATTCCAGCGGGCAAGCGGACCC
 CCATGTGTGCCACTGCAACCAAGTTATCAGGGGACCTTTTCTTGTGGCTCTGGGGAAGTCTGGCATCC
 AGAAGAATTTAACTGTGCTCATTGCAAAAACACAATGGCTACATAGGCTTTGTAGAGGAGAAGGGAGCA
 CTGTACTGTGAGTATGCTATGAGAAGTCTTTGCTCCTGAATGTGGCCGGTGCCAAAGGAAGATCCTTG
 GAGAAGTCATCAATGCTTTGAAGCAGACACTGGCATGTGTCCTGTTTGTGTGTGTGGCCTGTGGTAA
 CATTTCGTAATAATGTTTTCCACTTGAAGATGGCGAGCCCTACTGTGAGACAGACTACTACGCCCTTTT
 GGAACAATATGTCGTGGATGTGAATCCCATAGAGGCTGGTGACATGTTCTGGAAGCTCTGGGATACA
 CTTGGCATGATACTTGTGTTGTGTGCTCTGTGTGTTGTGAAAGTTTGAAGGGCAGACATTTTTCTCCAA
 GAAGGACAAGCCACTTTGCAAAAACATGCTCATTCTGTGAATTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227653 representing NM_001190854
 Red=Cloning site Green=Tags(s)

MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSLKDGKASQAHVRIGDVVLSIDGISAQGMTHLEAQNKI
 KACTGSLNMTLQRASAAKSEPVSQKPTVTSVCSESAQELAEQRRGSQGDIKQNGPPRKHIVERNTE
 FYHIPHSDASKKRLIEDTEDWRPRTGTTQSRFRILAQITGTEHLTESENDNTKKANSTQEPSQQPASS
 GASPLSASEGPESGSSRPSVAGLRSAAFKPVGSTSVKSPSWQRPNQAAPSTGRISNNARSSGTGASVG
 PPQPSDQDTLVQRAEHIPAGKRTPMCAHCNQVIRGPFLVALGKSWHPPEEFNCAHCKNTMAYIGFVEEKGA
 LYCELCEYKFFAPECGRCQRKILGEVINALKQTHVSCFVCVACGKPIRNNVFHLEDGEPYCETDYALF
 GTICRGCEFFIEAGDMFLEALGYWHDTFCVSCCESLEGQTFFSKKDKPLCKKHAHSVNF

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

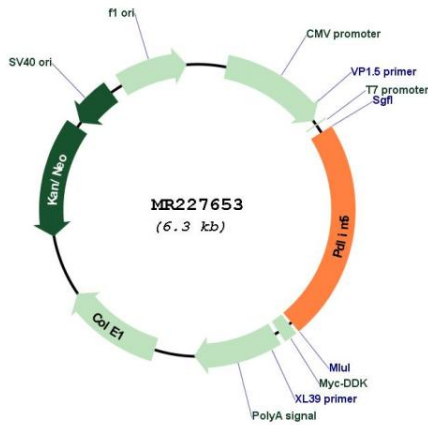
Sgfl-MluI

Cytogenetics: 3 H1

MW: 52.8 kDa

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]

Product images:



Circular map for MR227653