

Product datasheet for **RG234597**

PDLIM5 (NM_001256426) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM5 (NM_001256426) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PDLIM5
Synonyms:	ENH; ENH1; L9; LIM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234597 representing NM_001256426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCAACTACAGTGTGCTACTGGTTGGCCAGCTCCTTGGGGTTTCCGGCTGCAGGGCGGTAAGGATT
 TCAACATGCCTCTGACAATCTCTAGTCTAAAAGATGGCGCAAGGCAGCCAGGCAAAATGTAAGAATAGG
 CGATGTGGTTCTCAGCATTGATGGAATAAATGCACAAGGAATGACTCATCTTGAAGCCCAGAATAAGATT
 AAGGGTTGTACAGGCTCTTTGAATATGACTCTGCAAAGAGCATCTGCTGCACCCAAGCCTGAGCCGGTTC
 CTGTTCAAAGGCCACAGTACCAGCGTGTGTTCCGAGACTTCTCAGGAGCTAGCAGAGGGACAGAGAAG
 AGGATCCCAGGGTGACAGTAAACAGCAAATGGGAAAATCCCACCTAAACGCCACCAAGAAAACACATT
 GTGGAGCGCTATACAGAGTTTTATCATGTACCCACTCACAGTATGCCAGCAAGAAGAGACTGATTGAGG
 ATACTGAAGACTGGCGTCCAAGGACTGGAACAACCTCAGTCTCGCTCTTCCGAATCCTTGCCAGATCAC
 TGGGACTGAACATTTGAAAGAATCTGAAGCCGATAATACAAAGAAGGCAAAGTTTGACAGTCTCTGGAA
 GACCTACCTAAGAGTGGACCTCACCTCCTGCAACTCCTCAGGTGTTAACTATTGGTAGCCAAGTGGCCA
 CACTTTCTAAAGTAGCAACTACTTATTCTAGTTTAAAGCAGCTCCACAGGAAATGTGGAAGATTCTTTGCA
 AGGTTTTGCAAACTTTTCTACCTTCTCTCTCCTGCTAGATATAGTGTGCTGCAGTTCTGAGCAGCGCAGCT
 GCTACTGTGCTGCTGTTATTGTACAAAAACCAGGCTCTACACTCCTGAAAGATATCACTCACTCCTGG
 ATGCACTTTGCATCAGCCCTGTCTCCAAGCCTTACTGTTTTCTATCTGCAGTCTCAAGGAAATCAAC
 TGGCTCTATCCATGTTAAGAAAACAAGTAACTCTCAGGAGCCTTCTCCGAGTTGGCTTCTCGGTAGCT
 TCCACAGGAGCATGCCCCGAGAGCCTGGACAGCCCAACCTCTGGCAGACCAGGGTTACCAGCCTCACA
 CTGCAGCTGCCTCAAGCCTGTAGGATCCACTGGCGTCATCAAGTACCAAGCTGGCAACGGCCAAACCA
 AGGAGTACCTTCCACTGGAAGAATCTCAAACAGCGCTACTTACTCAGGATCAGTGGCACCAGCCAACCTCA
 GCTTTGGGACAAAACCCAGCCAAGTGACCAGGACTTTAGTGCAAAGAGCTGAGCACATTCCAGCAGGGA
 AACGAACTCCGATGTGCGCCATTGTAACCAGGTATCAGAGGACCATTCTTAGTGGCACTGGGAAATC
 TTGGCACCAGAAAGAAATCAACTGCGCTACTGCAAAAAATAAATGGCCTACATTGGATTGTAGAGGAG
 AAAGGAGCCCTGTATTGTGAGCTGTGCTATGAGAAATCTTTGCCCTGAATGTGGTCGATGCCAAAGGA
 AGATCCTTGGAGAAGTCATCAGTGCCTGAAACAACTGGCATGTTTCTGTTTGTGTGTAGCCTG
 TGGAAAGCCCATTCGGAACAATGTTTTCACTTGGAGGATGGTGAACCCTACTGTGAGACTGATTATTAT
 GCCCTCTTTGGTACTATATGCCATGGATGTGAATTTCCATAGAAGCTGGTGACATGTTCTGGAAGCTC
 TGGGCTACACCTGGCATGACACTTGCTTTGTATGCTCAGTGTGTTGTGAAAGTTTGAAGGTCAGACCTT
 TTTCTCCAAGAAGGACAAGCCCTGTGTAAGAAACATGCTCATTCTGTGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234597 representing NM_001256426
 Red=Cloning site Green=Tags(s)

MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSLKDGGKAAQANVRIGDVVLSIDGINAQGMTHLEAQNKI
 KGCTGSLNMTLQRASAAPKPEPVPVQKPTVTSVCSETSQELAEGQRRGSQGDQSKQNGKIPPKRPPRKH
 VERYTEFYHVPHTSDASKRRLIEDTEDWRPRTGTTQSRFRILAQITGTEHLKESEADNTKAKFDSALE
 DLPKSGPHPPATPQVLTIGSQVATLSKVATTYSSLSSSTGNVEDSFEFGRNFSTFSSPARYSAAVLSSAA
 ATVSAVIATKRLYTPERYHSLDALCISPVSKPLAFSYLQSSRKSTGSIHVKKTNSQEPSPQLASSVA
 STRSMPELSDPTSGRPGVTSLTAAAFKPVGSTGVIKSPSWQRPNQVGPSTGRISNSATYSGSVAPANS
 ALGQTQPSDQDTLVQRAEHIPAGKRTPMCAHCNQVIRGPFVLVALGKSWHPPEEFNCAHCKNTMAYIGFVEE
 KGALYCELCYEFKFAPECGRCQRKILGEVISALKQTWVSCFVVCACGKPIRNNVFHLEDGEPYCETDYY
 ALFGTICHGCEFPFIEAGDMFLEALGYTWHDTFCVCSVCCESLEGQTFFSKDKPLCKKHAHSVNF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256426

ORF Size: 1875 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_001256426.1](#), [NP_001243355.1](#)

RefSeq Size: 6219 bp

RefSeq ORF: 1878 bp

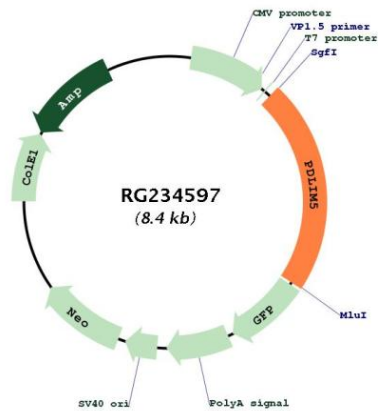
Locus ID: 10611

Cytogenetics: 4q22.3

Protein Families: Druggable Genome

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 RG234597