

Product datasheet for **RG237062**

PDLIM5 (NM_001256425) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM5 (NM_001256425) 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)
ORF Nucleotide Sequence:	>RG237062 representing NM_001256425. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCGAGAGCCTGGACAGCCCAACCTCTGGCAGACCAGGGTTACCAGCCTCACAACCTGCAGCTGCC
TTCAAGCCTGTAGGATCCACTGGCGTCATCAAGTCACCAAGCTGGCAACGGCCAAACCAAGGAGTACCT
TCCACTGGAAGAATCTCAAACAGCGCTACTTACTCAGGATCAGTGGCACCAGCCAACCTCAGCTTTGGGA
CAAACCCAGCCAAGTGACCAGGACACTTAGTGCAAAGAGCTGAGCACATTCCAGCAGGGAAACGAAC
CCGATGTGCGCCATTGTAACCAGGTATCAGAGGACCATTCTTAGTGGCACTGGGAAATCTTGGCAC
CCAGAAGAATTCAACTGCGCTCACTGCAAAAATACAATGGCCTACATTGGATTTGTAGAGGAGAAAGGA
GCCCTGTATTGTGAGCTGTGCTATGAGAAATCTTTGCCCTGAATGTGGTTCGATGCCAAAGGAAGATC
CTTGAGAGAAGTCATCAGTGCCTTAAACAACTTGGCATGTTTCTGTTTGTGTGTAGCCTGTGGA
AAGCCATTTCGGAACAATGTTTTCACTTGGAGGATGGTGAACCTACTGTGAGACTGATTATTATGCC
CTCTTTGGTACTATATGCCATGGATGTGAATTTCCCATAGAAGCTGGTGACATGTTTCTGGAAGCTCTG
GGCTACACCTGGCATGACACTTGCTTTGTATGCTCAGTGTGTTGTGAAAGTTTGGAAAGTTCAGACCTTT
TTCTCCAAGAAGGACAAGCCCTGTGTAAGAAACATGCTCATTCTGTGAATTTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237062
 Blue=ORF Red=Cloning site Green=Tag(s)

MPESLDSPTSGRPGVTSLTAAAFKPVGSTGVIKSPSQRPNQGVSTGRISNSATYSGSVAPANSALG
 QTQPSDQDTLVQRAEHIPAGKRTPMCAHCNQVIRGPFVALGKSWHPEEFNCAHCKNTMAYIGFVEEKG
 ALYCELCYEKFFAPECGRCQRKILGEVISALKQTWVHVSFCVACGKPIRNNVFHLEDGEPYCETDYAA
 LFGTICHGCEFFIEAGDMFLEALGYTWHDTFCVCSVCCESLEGQTFSSKKDKPLCKKHAHSVNF
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256425

ORF Size: 813 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).

RefSeq: [NM_001256425.1](#), [NP_001243354.1](#)

RefSeq Size: 5713 bp

RefSeq ORF: 816 bp

Locus ID: 10611

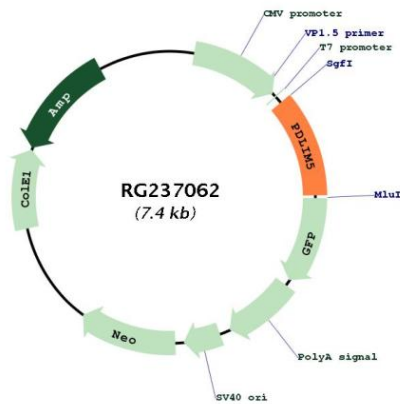
Cytogenetics: 4q22.3

Protein Families: Druggable Genome

MW: 30.1 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 RG237062