

Product datasheet for **RG231779**

PDLIM5 (NM_001256429) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDLIM5 (NM_001256429) 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: >RG231779 representing NM_001256429
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAACTACAGTGTGCTCACTGGTTGGCCAGCTCCTTGGGGTTTCCGGCTGCAGGGCGGTAAGGATT
 TCAACATGCCTCTGACAATCTCTAGTGTGGAGTGCAGTGGCGCAATCTCGGCTCACCACAACCTCCATC
 TCCCGAGTTCAAGCGATTCTCCTGCCTCAGCTCCCGAGTAGCTGGGATTACAGGCATGTGCCACCACGC
 CTGGCTAATTTGTATTTTAGTAGAGACCAAGTTCCCTATGTTGGTCAGGCTGGTCTTGAACCTCCGA
 CCTCAGGTGATCTGCCACCTCGGCTCCCAAAGTGCTAAGATTACAGGCGTGAGCCACCGTGCCTGGCC
 CACTGTTTTATACTTTGCTTTTTTTGCAACAATTTACCCTGAGATCATTCTCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231779 representing NM_001256429
 Red=Cloning site Green=Tags(s)
 MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSAGVQWRNLGSPQPPSPEFKRFSCLSLPSSWDYRHVPPR
 LANFVFLVETKFPYVQAGLELPTSGDLPTSASQSAKITGVSHRAWPTLFYTLFFATIYPEIILY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

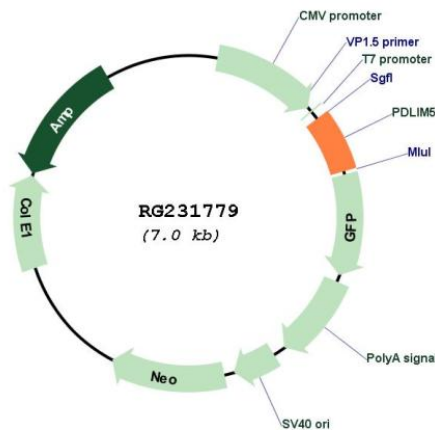


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001256429

ORF Size: 408 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](#)

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|-------------------------------|---|
| 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: | <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: | NM_001256429.2 |
| RefSeq Size: | 1223 bp |
| RefSeq ORF: | 411 bp |
| Locus ID: | 10611 |
| UniProt ID: | Q96HC4 |
| 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] |