

Product datasheet for **MG204540**

Pdlim3 (NM_016798) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdlim3 (NM_016798) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pdlim3
Synonyms: Actn2lp; AI463105; ALP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204540 representing NM_016798
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCCAGAACGTAGTTCTCCCGGGTCTGCGCCCTGGGGCTTCAGACTCTCTGGGGGCATAGACTTCA
 ATCAGCCTTTGGTCATCACCAGGATCACTCCAGGAAGCAAAGCAGCAGCTGCCAACCTGTGCTGGAGA
 TGTATCCTAGCTATTGATGGCTTTGGTACGGAGTCTATGACTCATGCTGATGCACAGGACAGGATTA
 GCAGCGTCTACCAGTTGTCTCAAGATTGACAGGGCAGAACTCGCTTATGGTCCCCGAGGTGTCTG
 AAGATGGAAAAGCACACCCCTTCAAATCAACTTAGAAGCTGAACCACAGGAATCAAACCCATTGGTAC
 CGCGCACAAAGAAAGGGCCAGCCTTTCGTAGCAGCAGCAACATTGATGACAAAAGACAGGTAGTGAGC
 GCTTCCTATAACTCACCATTGGGCTCTATTCAACTAGCAATATCCAAGACGCGCTCCACGGACAGCTAC
 GGGGTCTCATCCCCGGATCACTGCAAAATGAACCCACAGCTTCAGTGCCCCCTCAGTCGGACGTGTACCG
 CATGCTCCATGACAACCGGGATGACCCAGCCGCTCCTCGCCAGTCGGGCTCCTTCAGGGTGTGCAGGAT
 CTGGTGAATGACGGGCTGATGACCGTCCGGCTGGAACCTGAAGCGTGAGGGCTCCGGTTACGAAAGTCC
 ACGGTGGGGTGGCAGTGCCAGAGGATGCCGCTCTGTGACAAGTGTGGGAGTGGTATTGTAGGTGCTGT
 CGTCAAGGCCCGGATAAGTACCGGCACCCGAGTGCTTTGTGTGTGCCACTGTAACTCAACCTCAAG
 CAGAAAGGCTACTTCTTCGTGGAGGGGAGCTGTATTGTGAGACGCACCGGAGAGCCCGCAGGAGCCCC
 CAGAGGGCTACGACACCGTCACTCTGTACCCCAAAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204540 representing NM_016798
 Red=Cloning site Green=Tags(s)

MPQNVVLPGPAPWGFRLSGGIDFNQPLVITRITPGSKAAAANLCPGDVILAIIDGFGTESMTHADAQDRIK
 AASYQLCLKIDRAETRLWSPQVSEDGKAHPFKINLEAEPQEFKPIGTAHNRRAQPFVAAAANIDDKRQVVS
 ASYNSPIGLYSTSNIQDALHGQLRGLIPGSLQNEPTASVPPQSDVYRMLHDNRDDPAAPRQSGSFRVLQD
 LVNDGPDDRPAGTRSVRAPVTKVHGGAGSAQRMP L CDKCGSGIVGAVVKARDKYRHP ECFVCADCNLNLK
 QKGYFFVEGELYCETHARARTRPPEGYDVTLYPKA

TRTRPLE - GFP Tag - V

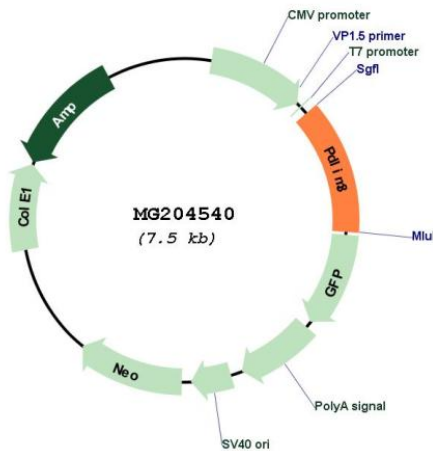
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_016798

ORF Size: 948 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:	<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_016798.5
RefSeq Size:	1578 bp
RefSeq ORF:	951 bp
Locus ID:	53318
UniProt ID:	O70209
Cytogenetics:	8 B1.1
Gene Summary:	May play a role in the organization of actin filament arrays within muscle cells. [UniProtKB/Swiss-Prot Function]