

## Product datasheet for MR204540

### Pdlim3 (NM\_016798) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pdlim3 (NM_016798) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdlim3
Synonyms:	Actn2lp; AI463105; ALP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204540 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCCCAGAACGTAGTTCTCCCGGTCTGCGCCCTGGGGCTTCAGACTCTCTGGGGGCATAGACTTCA  
ATCAGCCTTTGGTCATCACCAGGATCACTCCAGGAAGCAAAGCAGCAGCTGCCAACCTGTGTCTGGAGA  
TGTCATCCTAGCTATTGATGGCTTTGGTACGGAGTCTATGACTCATGCTGATGCACAGGACAGGATTA  
GCAGCGTCTACCAGTTGTCTCAAGATTGACAGGGCAGAACTCGCTTATGGTCCCCGAGGTGTCTG  
AAGATGGAAAAGCACACCCCTTCAAATCAACTTAGAAGCTGAACCACAGGAATCAAACCCATTGGTAC  
CGCGCACAAAGAAAGGGCCAGCCTTTCGTAGCAGCAGCAAACATTGATGACAAAAGACAGGTAGTGAGC  
GCTTCCTATAACTCACCATTGGGCTCTATTCAACTAGCAATATCCAAGACGCGCTCCACGGACAGCTAC  
GGGGTCTCATCCCCGGATCACTGCAAAATGAACCCACAGCTTCAGTGCCCCCTCAGTCGGACGTGTACCG  
CATGCTCCATGACAACCGGGATGACCCAGCCGCTCCTCGCCAGTCGGGCTCCTTCAGGGTGTGCAGGAT  
CTGGTGAATGACGGGCTGATGACCGTCCGGCTGGAACCTGAAGCGTGAGGGCTCCGGTTACGAAAGTCC  
ACGGTGGGGCTGGCAGTGCCAGAGGATGCCGCTCTGTGACAAGTGTGGGAGTGGTATTGTAGGTGCTGT  
CGTCAAGGCCCGGATAAGTACCGGCACCCGAGTGCTTTGTGTGTGCCACTGTAACCTCAACCTCAAG  
CAGAAAGGCTACTTCTTCGTGGAGGGGAGCTGTATTGTGAGACGCACCGGAGAGCCCGCAGGAGCCCC  
CAGAGGGCTACGACACCGTCACTCTGTACCCCAAAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204540 protein sequence  
Red=Cloning site Green=Tags(s)

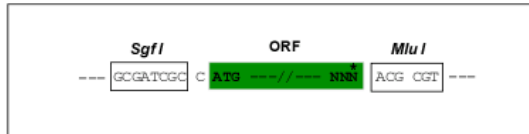
MPQNVVLPGPAPWGFRLSGGIDFNQPLVITRITPGSKAAAANLCPGDVILAIDGFGTESMTHADAQDRIK  
 AASYQLCLKIDRAETRLWSPQVSEDGKAHPFKINLEAEPQEFKPIGTAHNRRRAQPFVAAAANIDDKRQVVS  
 ASYNSPIGLYSTSNIQDALHGQLRGLIPGSLQNEPTASVPPQSDVYRMLHDNRDDPAAPRQSGSFRVLQD  
 LVNDGPDDRPAGTRSVRAPVTKVHGGAGSAQRMPLCDKCGSGIVGAVVKARDKYRHPECFVCADCNLNLK  
 QKGYFFVEGELYCETHARARTRPPEGYDVTLYPKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_016798

**ORF Size:** 951 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\\_016798.5](#)

**RefSeq Size:** 1578 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 53318

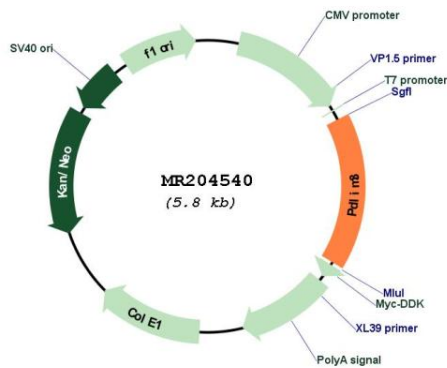
**UniProt ID:** [O70209](#)

**Cytogenetics:** 8 B1.1

**MW:** 34.3 kDa

**Gene Summary:** May play a role in the organization of actin filament arrays within muscle cells. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204540