

Product datasheet for **RR207684**

Pdlim3 (NM_053650) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdlim3 (NM_053650) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdlim3
Synonyms: Actn2lp; Alp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207684 representing NM_053650
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCAAAACGTAGTTCTCCCGGGCCCTGCGTCTGGGGTTCAGACTCTCAGGAGGCATAGACTTCA
 ACCAGCCTTTGGTCATCACCAGGATCACTCCGGGAAGCAAGGCAGAAGCCGCAACCTGTGCCCTGGCGA
 CATGATACTGGCTATCGATGGCTTTGGTACGGAGTCCATGACTCATGCTGATGCTCAGGACAGGATCAAA
 GCAGCATCTTACCAGTTGTGTCTCAAGATTGACAGGGCAGAAACTCGCTTATGTCCCGCAGTGTCGGAAG
 ATGGGAAAGCGCATCCCTTTAAATCAACCTAGAGGCTGAACCGCAGGATGTGAACACTTTGAACACAA
 GCACAATATTCGGCCAAACCTTTCATAATCCAGGCCGAACAGTGGCTGCAGCACTCCTTCCGGTATT
 GACTGTGGCAGTGGACGTAGCACCCCTTCTCCGTGAGTACCGTTAGTACGATCTGCCAGGTGACTTGA
 AAGTTGCTGCTAAGATGGCCCTAACATTCTTTGAAATGGAACCTCCGGGCGTGAAGATTGTACATGC
 TCAGTTTAACTCCTATGCAGTTGTAAGTACAGATGACAATATTATGGAACACTTCAGGGTCAGGTTTCC
 ACAGCTTAGGGGAGACACCCCTCCATGAGTGAACCCACAGCTTCAAGTCCCGCTCAGTCGGACGTGTACC
 GAATGCTGCACGACAATCGGGATGAACCCAGCTGCTCCTCGCCAGTCAGGCTCCTCAGGCTCCTGCAGGA
 GCTGGTGAACGACGGGTCTGATGACCGTCTGCTGGAACCTCGAAGTGTGAGGCGGTTACTAAAGTCCAT
 GGCGGGGCTGGCGGTGCCAGAGGATGCCACTCTGTGACAAGTGTGGCAGTGGTATTGTAGGTGCTGTGG
 TCAAGGCCGGGATAAGTACCGCACCCGAGTCTTTGTGTGCTGACTGTAACCTCAACCTCAAGCA
 GAAAGTTACTTCTTCGTGGAGGGGAGCTGTATTGTGAGATGCACGCAAGAGCCCGGGCGAGGCCCCCA
 GAAGGCTACGACACCGTCACTCTGTACCCAAAGCT

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207684 representing NM_053650
 Red=Cloning site Green=Tags(s)

MPQNVVLPGPASWGFRLSGGIDFNQPLVITRITPGSKAEANLCPGDMILAIDGFGTESMTHADAQDRIK
 AASYQLCLKIDRAETRLCPAVSEDKAHPFKINLEAEPQDVNYFEHKHNIIRPKPFIIPGRTSGCSTPSGI
 DCGSGRSTPSSVSTVSTICPGDLKVAAKMAPNIPEMELPGVKIVHAQFNTPMQLYSDDNIMETLQGQVS
 TALGETPSMSEPTASVPPQSDVYRMLHDNRDEPAAPRQSGSFRVLQELVNDGSDDRPAGTRSVPVTKVH
 GGAGGAQRMPCLCDKCGSGIVGAVVKARDKYRHPCEFCVADCNLLKQKGYFFVEGELYCEMHARARARPP
 EGYDVTLYPKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

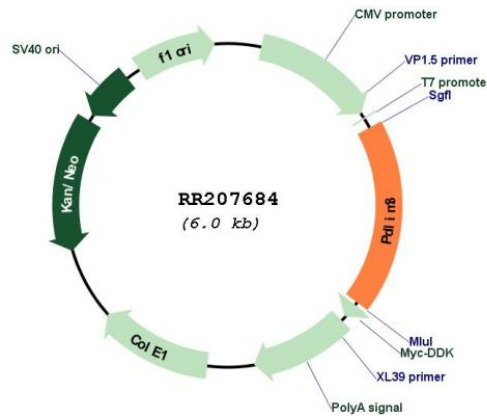
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053650

ORF Size:	1086 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_053650.1 , NP_446102.1
RefSeq Size:	1568 bp
RefSeq ORF:	1089 bp
Locus ID:	114108
UniProt ID:	Q66HS7
Cytogenetics:	16q11
MW:	39.1 kDa
Gene Summary:	binds to the spectrin-like motifs of alpha-actinin-2 in skeletal muscle [RGD, Feb 2006]