

Product datasheet for **RN208740**

Pdlim1 (NM_017365) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdlim1 (NM_017365) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdlim1
Synonyms:	CLP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208740 representing NM_017365 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGACCACCCAGCAGATTGTTCTCCAGGGCCCGGGACCCTGGGGTTTCCGACTCGTGGCGGCAAGGACT
 TTGAGCAACCTCTCGCCATTTCCCGGTCACTCCCGGGAGCAAGGCTGCTATAGCTAACTTATGCATAGG
 AGATTTGATCACAGCCATTGATGGGGAAGATACCAGCAGTATGACACACTTGAAGCTCAGAACAAAATC
 AAGGGCTGCGTAGACAACATGACGCTCACAGTATCCAGGTCTGAGCAGAAGATTTGGTCTCCTCTAGTGA
 CCGAGGAGGGGAAACGTCACCCCTACAAGATGAATTTAGCGTCGGAACCCCAAGAAGTCTGCACATCGG
 AAGTGCCCAACCGTAGTGCTATGCCATTTACCGCCTCACCTGCTCCTGGCACCCGGGTATCACAAAC
 CAGTACAACAGCCCTACCGGCCTCTACTCATCTGAAAACATCTCTAACTCAACAATGCAGTGGAGTCAA
 AGACCTCAGCCAGTGGGGAGGAGGCGAACAGCAGGCCCTCGGCTCAGCCTCATCCCTCCGGCGGCCTTAT
 CATCGACAAGGAATCCGAAGTTTACAAGATGCTTCAGGAGAAGCAAGAGTTAAACGAGCCCCCAACAG
 TCCACATCATTCCTGGTCTGCAGGAGATCCTGGAGTCGGATGGGAAAGGGGACCCCAACAGCCATCAG
 GATTTAGAAGTGTTAAAGCTCCAGTCACCAAAGTGGCTGCATCTGTTGGAATGCTCAGAAGCTGCCCAT
 CTGTGACAAATGTGGAACCGCATTTGTTGGTGTGTTGTGAAGCTGAGGGACCATCATCCCCACCTGAA
 TGTATGTGTGCACCGACTGTGGCATCAACCTGAAACAGAAGGGCCATTTCTTTGTAGGGGATCAGATTT
 ATTGTGAAAAGCATGCCCGGGAGAGGGTCACACCACCTGAGGGCTATGATGTGGTCACAGTGTCCCCAA
 GTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_017365
Insert Size:	984 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_017365.2 , NP_059061.1
RefSeq Size:	1391 bp
RefSeq ORF:	984 bp
Locus ID:	54133
UniProt ID:	P52944
Cytogenetics:	1q54
Gene Summary:	Cytoskeletal protein that may act as an adapter that brings other proteins (like kinases) to the cytoskeleton (By similarity). Involved in assembly, disassembly and directioning of stress fibers in fibroblasts. Required for the localization of ACTN1 and PALLD to stress fibers. Required for cell migration and in maintaining cell polarity of fibroblasts (PubMed:22659164). [UniProtKB/Swiss-Prot Function]