

Product datasheet for **RR206093**

Pdlim2 (NM_001007622) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdlim2 (NM_001007622) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdlim2
Synonyms:	MGC94060
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206093 representing NM_001007622 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTGACTGTGAATGTGGTGGGACCAGCACCTTGGGGCTTCCGCATTAGCGGAGGAAGGGATTTC
ATACACCCATCATCGTGACGAAGGTCACAGAGAGGGGCAAGGCGGAGGCAGCTGATCTCCGGCCTGGCGA
CATCATTGTGGCCATCAATGGAGAGAGTGCCGAGAGCATGCTACATGCGGAGGCCAAAGCAAGATCCGA
CAGAGTGCCTCACCCCTAAGACTGCAGCTGGACC GGTC CCAAAGTGCCTCTCCTGGGCAGATCAATGGGG
AGGGCTCCTTGGACATGCTGGCAACTAGATTCCAGGGCTCCCTGAGGACACACCATAACAGCCAGTCTTC
CCAGAGATCTGCCTGCTTCCAGCCAGCCTCTCTCAGTCCCAGGCCAGACAGCCCTTTCTCCACTCCACCC
CCTACCAGCCCAATTGCCCTTTCTGGAGAGAATGTGATTGGCTGTAGTTCCAGAGTCTGACACACTCTC
CAGGTCTTGCTGCTACTCACCATTGACCTACCCTGGCCAGCCACCAGCCAACAGGCCGGCCACAGCAG
CCCAAGCGACTCCACAGTGAGGGTGTGCTTATTCCCCAGGACGACCCTCCAGCCCAGGTTAAGCAGT
TTGGACCTGGAGGAGGACTCAGAGGTGTTCAAGATGCTGCAGGAGAACC GCCAGGGACGGGCTGCCCAA
GGCAGTCCAGCTCTTTTCGGCTTTACAGGAAGCCTTGGAGGCTGAGGAAAGAGGGCGGCACACCTGCCTT
TGTGCCAGCTCGCTGAGTCCCAAGGCTTCTTGGCCACCTCCAGGGCCTTGGCCACGCCACCCAACTC
CACACCTGTGAGAAGTGACAGCTCAACATCTCGAACCAGGCAAGTCCGCATCCAGGAGGGGAGGTACCGAC
ACCCTGGCTGCTACACCTGTGCAGACTGCGGGCTGAACCTGAAGATGCGGGGTCACTTCTGGGTGGGAAA
CGAGTTGTACTGTGAGAAGCAGCCCGCCAGCGCTACTCAATGCCTGGAAGTCTCAGCTCTCAAGCC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206093 representing NM_001007622
 Red=Cloning site Green=Tags(s)

MALTVNVVGPAPWGFRISSGRDFHTPIIVTKVTERGKAEADLRPGDIIVAINGESAESMLHAEAQSKIR
 QSASPLRLQLDRSQTASPGQINGEGSLDMLATRFQGLRTHHNSQSSQRSACFSPASLSRPDSPFSTPP
 PTSPIALSGENVIGCSFQSLTHSPGLAATHHLTPGQPTSQQAGHSSPSDSTVRVLLHSPGRPSSPRLSS
 LDLEEDSEVFKMLQENRQGRAAPRQSSSFRLQEALEAEERGCTPAFVPSLSPKASLPTSRALATPPKL
 HTCEKCSVNI SNQAVRIQEGRYRHPGCYTCADCGLNLKMRGHFWVGNELYCEKHARQRYSMPTLSSQA

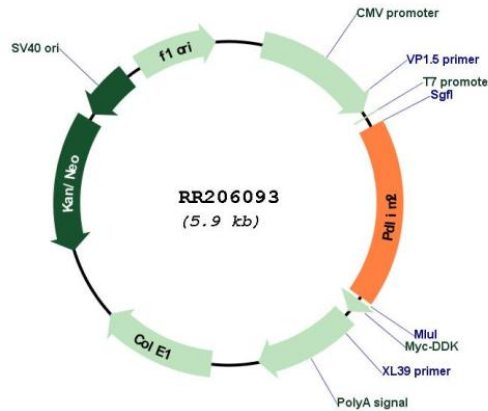
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007622

ORF Size: 1047 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_001007622.1 , NP_001007623.1
RefSeq Size:	1562 bp
RefSeq ORF:	1050 bp
Locus ID:	290354
UniProt ID:	Q6AYD6
Cytogenetics:	15p11
MW:	37.6 kDa
Gene Summary:	Probable adapter protein located at the actin cytoskeleton that promotes cell attachment. Necessary for the migratory capacity of epithelial cells. Overexpression enhances cell adhesion to collagen and fibronectin and suppresses anchorage independent growth. May contribute to tumor cell migratory capacity (By similarity).[UniProtKB/Swiss-Prot Function]