

Product datasheet for MR205282

Pdlim2 (NM_145978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdlim2 (NM_145978) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdlim2
Synonyms:	4732462F18Rik; Slim
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205282 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTGACTGTGGATGTGGCAGGACCAGCACCTTGGGGCTTCCGAATTAGCGGGGGCAGAGATTTCC
ACACACCCATCATTGTGACCAAGGTCACAGAGCGGGGCAAGGCTGAAGCAGCTGATCTCCGGCCTGGCGA
CATCATTGTGGCCATCAATGGACAGAGTGCAGAGAACATGCTACACGCGGAGGCCAAAGCAAGATCCGA
CAGAGCGCCTCACCCCTAAGACTGCAGCTGGACCGGTCCCAAACAGCCTCTCTGGGCAGACCAATGGGG
AGGGCTCCTTGAAGTGCTGGCAACCAGATTCCAGGGCTCCCTGAGGACACACCGTGACAGCCAGTCTTC
CCAGAGGTCTGCCTGCTTCCAGCCAGTCTCTCAGCCCCAGGCCTTGACGCCCTTCTCCACCCACCC
CCTACCAGCCCAGTTGCCCTTTCTAAAGAGGATATGATTGGCTGTAGTTCCAGAGTCTGACACACTCTC
CAGGCCTTGCTGCTGCTCACCATTGACCTACCCTGGCCACCCACCAGCCAACAGGCCGGCCACAGCAG
CCCAAGCGACTCCGAGTGAGGGTGCTGCTCCATTCCCAGGACGGCCCTCCAGCCCTAGGTTCCAGCAGT
TTGGATCTGGAGGAAGACTCAGAGGTGTTCAAGATGCTGCAGGAGAACCGCCAGGGACGGGCCGCCCAA
GGCAGTCCAGCTCTTTTCGACTCTTACAGGAAGCCTTGGAGGCTGAGGAGAGAGGTGGCACACCTGCCTT
TGTGCCAGCTCGCTGAGCTCCCAGGCTTCCTTGCCACCTCCAGGGCCTTGCCACTCCACCCAAGCTC
CACACCTGTGAGAAATGCAGCGTCAACATCTCGAACCAGCGGTCCGCATCCAGGAGGGGAGGTACCGCA
ACCCTGGCTGCTACACTTGCGCAGACTGTGGGCTGAACCTGAAGATGCGCGGCCACTTCTGGGTGGGCAA
TGAGTTGTACTGCGAGAAGCATGCCCGCCAGCGCTACTCTATGCCTGGAAGTCTCAACTCTCGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205282 protein sequence
Red=Cloning site Green=Tags(s)

MALTVDVAGPAPWGFRISSGRDFHTPIIVTKVTERGKAEAADLRPGDIIVAINGQSAENMLHAEQSKIR
 QSASPLRLQLDRSQTASPGQTNGEGSLEVLATRFQGLRTHRDSQSSQRSACFSPVLSRPRCSPFSTPP
 PTSPVALSKEDMIGCSFQSLTHSPGLAAHHLTPYGHPTSQQAGHSSPDSAVRLLHSPGRPSSPRFSS
 LDLEEDSEVFKMLQENRQGRAAPRQSSSFRLQEALEAEERGGTPAFVPSLSSQASLPTSRALATPPKL
 HTCEKCSVNISNQAVRIQEGRYRHPGCYTCADCGLNLKMRGHFWVGNELYCEKHARQRYSMPTGLNSRA

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_145978

ORF Size: 1050 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_145978.2](#)

RefSeq Size: 1514 bp

RefSeq ORF: 1050 bp

Locus ID: 213019

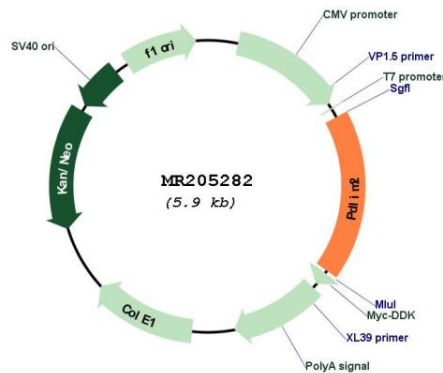
UniProt ID: [Q8R1G6](#)

Cytogenetics: 14 D2

MW: 37.7 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]

Product images:



Circular map for MR205282