

Product datasheet for RC219697

PDLIM2 (NM_198042) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM2 (NM_198042) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDLIM2
Synonyms:	MYSTIQUE; SLIM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219697 representing NM_198042 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTGACGGTGGATGTGGCCGGGCCAGCGCCCTGGGGTTCGGTATCACAGGGGCAGGGATTTCC
ACACGCCCATCATGGTGACTAAGGTGGCCGAGCGGGCAAAGCCAAGGACGCTGACCTCCGGCCTGGAGA
CATAATCGTGGCCATCAACGGGAAAGCGGGAGGGCATGCTGCATGCCAGGCCAGAGCAAGATCCGC
CAGAGCCCCTCGCCCCTGCGGCTGCAGCTGGACCGGTCTCAGGCTACGTCTCCAGGGCAGACCAATGGG
ACAGCTCCTTGAAGTGCTGGCGACTCGCTTCCAGGGCTCCGTGAGGACATACACTGAGAGTCAGTCCTC
CTTAAGGTCTCCTACTCCAGCCCAACCTCCCTCAGCCCGAGGGCCGGCAGCCCTTCTCACCACCACC
TCTAGCAGCTCCCTCACTGGAGAGGCAGCCATCAGCCGACGTTCCAGAGTCTGGCATGTTCCCCCGGCC
TCCCCGCTGCTGACCGCCTGTCTACTCAGGCCGCCCTGGAAGCCGACAGGCCGGCCTCGGCCGCGCTGG
CGACTCGGCGGTGCTGGTGTGCGCCTTCCCCGGGCCCTCGTTCCTCCAGGCCAGCATGGACTCGGAA
GGGGGAAGCCTCCTCTGGACGAGGACTCGGAAGTCTTCAAGATGCTGCAGGAAAATCGCGAGGGACGGG
CGGCCCCCGACAGTCCAGCTCCTTTGGCTCTTGAGGAAGCCCTGGAGGCTGAGGAGAGAGGAACCCAG
GCTGTGCCATCCAGGAGGGCCGGTACCGCCACCCCGGCTGCTACACCTGTGCCGACTGTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219697 representing NM_198042
Red=Cloning site Green=Tags(s)

MALTVDVAGPAPWGFRTGGDFHTPIIMVTKVAER GKAKDADLRPGDIIVAINGESAEGMLHAEQSKIR
 QSPSPLRLQLDRSQATSPGQTNGDSSLEVLATRFQGSVRTYTESQSSLRSSYSPTSLSPRAGSPFSPPP
 SSSSLTGEAAISRFSQSLACSPGLPAADRLSYSGRPGSRQAGLGRAGDSAVLVLPPSPGPRSSRPSMDSE
 GGSLLLDEDESEVFKMLQENREGRAAPRQSSFRLLQEALAEERGRTRLCASRRAGTATPAATPVPTVG

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_198042

ORF Size: 834 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_198042.4](#)

RefSeq Size: 1470 bp

RefSeq ORF: 837 bp

Locus ID: 64236

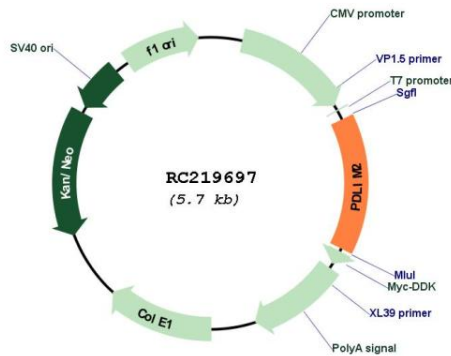
UniProt ID: [Q96JY6](#)

Cytogenetics: 8p21.3

MW: 29.1 kDa

Gene Summary: This gene encodes a member of the ALP subfamily of PDZ-LIM domain proteins. The encoded protein suppresses anchorage-dependent growth and promotes cell migration and adhesion through interactions with the actin cytoskeleton via the PDZ domain. The encoded protein is also a putative tumor suppressor protein, and decreased expression of this gene is associated with several malignancies including breast cancer and adult T-cell leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC219697