

## Product datasheet for SC313153

### PDLIM2 (NM\_176871) Human Untagged Clone

#### Product data:

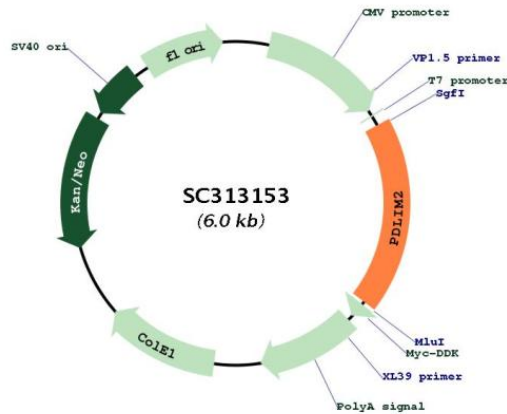
Product Type:	Expression Plasmids
Product Name:	PDLIM2 (NM_176871) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDLIM2
Synonyms:	MYSTIQUE; SLIM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313153 representing NM_176871. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGTTGACGGTGGATGTGGCCGGGCCAGCGCCCTGGGGCTCCGTATCACAGGGGGCAGGGATTTCC
CACACGCCATCATGGTACTAAGGTGGCCGAGCGGGGCAAGCCAAGGACGCTGACCTCCGGCCTGGGA
GACATAATCGTGGCCATCAACGGGGAAAGCGGGAGGGCATGCTGCATGCCGAGGCCAGAGCAAGATC
CGCCAGAGCCCCCGCCCTGCCGCTGCAGCTGGACCGGTCTCAGGCTACGTCTCCAGGGCAGACCAAT
GGGGACAGCTCCTTGAAGTGTGGCGACTCGCTTCCAGGGCTCCGTGAGGACATACTGAGAGTCAG
TCCTCCTAAGGTCTCCTACTCCAGCCCAACCTCCCTCAGCCCGAGGGCCGGCAGCCCCCTCTCACCA
CCACCCTTAGCAGCTCCCTCACTGGAGAGGCAGCCATCAGCCGAGCTTCCAGAGTCTGGCATGTTCC
CCGGGCCCTCCCCGCTGCTGACCGCCTGTCTACTCAGGCCGCCCTGGAAGCCGACAGGCCGGCCTCGGC
CGCGCTGGCGACTCGCGGTGCTGGTGCTGCCGCTTCCCCGGGCCCTCGTTCTCCAGGCCAGCATG
GACTCGGAAGGGGGAAGCCTCCTCTGGACGAGGACTCGGAAGTCTTCAAGATGCTGCAGGAAAATCGC
GAGGGACGGGCGGCCCCCGACAGTCCAGCTCCTTTCGGCTCTTGCGAGGAAGCCCTGGAGGCTGAGGAG
AGAGGTGGCAGCCAGCCTTCTTGCCAGCTCACTGAGCCCCAGTCTCCCTGCCCGCTCCAGGGCC
CTGGCCACCCCTCCCAAGCTCCACACTTGTGAGAAGTGCAGTACCAGCATCGGAACCAGGCTGTGCCG
ATCCAGGAGGGCCGGTACCGCCACCCCGGCTGTACACCTGTGCCGACTGTGGGCTGAACCTGAAGATG
CGCGGGCACTTCTGGGAGGACGCTTGTGCTATGGAGGGAATGAGATTGCTACTGGAAGCTTGGAGGGG
ATGGTGGAGGGCCCAAGCGGAGGGACAGGAGGAAGACCAGGAGACCCATCCAGCCAAGCTGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_176871

**Insert Size:** 1101 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_176871.3](#)

**RefSeq Size:** 4608 bp

**RefSeq ORF:** 1101 bp

**Locus ID:** 64236

UniProt ID: [Q96JY6](#)

Cytogenetics: 8p21.3

MW: 39.2 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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.