

## Product datasheet for **SC124591**

### **PDLIM2 (NM\_198042) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PDLIM2 (NM_198042) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDLIM2
Synonyms:	MYSTIQUE; SLIM
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198042, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTTGACGGTGGATGTGGCCGGGCCAGCGCCCTGGGGCTTCCGTATCACAGGGGGCAGGGATTTCC
ACACGCCCATCATGGTGACTAAGGTGGCCGAGCGGGCAAAGCCAAGGACGCTGACCTCCGGCCTGGAGA
CATAATCGTGGCCATCAACGGGAAAGCGGGAGGGCATGCTGCATGCCGAGGCCAGAGCAAGATCCGC
CAGAGCCCCTCGCCCCTGCGGCTGCAGCTGGACCAGGCTCAGGCTACGTCTCCAGGGCAGACCAATGGG
ACAGCTCCTTGAAGTGCTGGCGACTCGCTTCCAGGGCTCCGTGAGGACATACACTGAGAGTCAGTCCTC
CTAAGGTCTCCTACTCCAGCCCAACCTCCCTCAGCCGAGGGCCGGCAGCCCTTCTCACCACCACC
TCTAGCAGCTCCCTCACTGGAGAGGCAGCCATCAGCCGACGCTTCCAGAGTCTGGCATGTTCCCCGGGCC
TCCCCGCTGCTGACCGCCTGTCTACTCAGGCCGCCCTGGAAGCCGACAGGCCGGCCTCGGCCGCGCTGG
CGACTCGGCGGTGCTGGTGTGCGCCCTTCCCCGGGCCCTCGTTCTCCAGGCCAGCATGGACTCGGAA
GGGGGAAGCCTCCTCTGGACGAGGACTCGGAAGTCTTCAAGATGCTGCAGGAAAATCGCGAGGGACGGG
CGGCCCCCGACAGTCCAGCTCCTTTGGCTCTTGAGGAAGCCCTGGAGGCTGAGGAGAGAGGAACCAG
GCTGTGCGCATCCAGGAGGGCCGGTACCGCCACCCGGCTGCTACACCTGTGCCGACTGTGGGCTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198042 unedited TGGATTTTGTAAATCAGACTTACTATAGGGCGGCCGCAATTCGCACGAGGAGGTATGG CGTTTACGGTGGATGTGGCCGGGCCAGCGCCCTGGGGCTTCCGTATCACAGGGGGCAGGG ATTTCCACACGCCCATCATGGTGACTAAGGTGGCCGAGCGGGGCAAAGCCAAGGACGCTG ACCTCCGGCCTGGAGACATAATCGTGGCCATCAACGGGAAAGCGCGGAGGGCATGCTGC ATGCCGAGGCCAGAGCAAGATCCGCCAGAGCCCTCGCCCTGCGGCTGCAGCTGGACC GGTCTCAGGCTACGTCTCCAGGGCAGACCAATGGGGACAGCTCCTTGAAGTGCTGGCGA CTCGCTTCCAGGGCTCCGTGAGGACATACTGAGAGTCAGTCCTCCTTAAGTCTCCT ACTCCAGCCCAACCTCCCTCAGCCCGAGGGCCGGCAGCCCTTCTCACCACCACCTCTA GCAGCTCCCTCACTGGAGAGGGCCATCAGCTGCAGCTTCCAGAGTCTGGCATGTTCCC CGGGCCTCCCCGCTGCTGACCGCTGTCTACTCAGGCCGCCCTGGAAGCCGACAGGCCG GCCTCGGCCCGCTGGCGACTCGGCGGTGCTGGTGTGCCGCTTCCCCGGGCCCTCGTT CCTCCAGGCCAGCATGGATTCCGGACGGGGAAAGCCTCCTCCTGGACGANGACTCGGNA GTCTTCAAGATGTGCACGAAATCGCGAGGGACGGGCGGCCCCCGACAGTCCAGCTCCT TTTCGCTTTCACGAAGCCCTGCAGGCCTGAGACAAGAGTGGGACCCCGCCCTCTTGC CAGCTCACTGAGCCCCAGTCTCCTGCCCCGTNCAAGGGCCTGGGCACCTCCAGCTCAC ATTGGGAGAAGTGCGTACACCATCGGACCAGCTGGCCTTCAAGGAGGGCGGACCGCACCCG TGCACTGGCCACGGGCCTAN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198042
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_198042.2</a></u> , <u><a href="#">NP_932159.1</a></u>
<b>RefSeq Size:</b>	1470 bp
<b>RefSeq ORF:</b>	1470 bp
<b>Locus ID:</b>	64236
<b>UniProt ID:</b>	<u><a href="#">Q96JY6</a></u>
<b>Cytogenetics:</b>	8p21.3

**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 (3) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (3) has a distinct and shorter C-terminus, compared to isoform 1.