

Product datasheet for **SC321005**

PDLIM2 (NM_021630) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | PDLIM2 (NM_021630) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PDLIM2 |
| Synonyms: | MYSTIQUE; SLIM |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_021630.4
 AGAGTCGGGTAGACGGCAGCGGGAGCGGTGGCGTCTCCCCGCCTTCCCTCCCTCCCGGGC
 CTGGGCGCCAGCCGGACAGGGGAGCGGCAGCCAGGTGAGCGGCCACCTGCGCCTCTC
 CGCGCGGCCCGCCCTCCCCGGCGCCGGGCTCCTCTCCGCGCCCTGTGCGCGGGAACCC
 TGGCCTCGTCCGCGGCCAGCTCCCTGGAGCCTCGCATCAGCGGGGGCGCCCCGCGAGC
 TGCGCTCTCCCCGGCCGAGCGCTCCTCCTCAGCCCCAGCCCCAGGGTACTTTGCC
 TCGGAGCGAAGGAGGCTCCAGAAGTGGTAGAGCCGGGCCATCGGGCTGGGCACCTCCCCG
 CGGCGCCCGCAGCGCGGAGTCCACTGACCGGCTCAAAGGTATGGCGTTGACGGTGGATGT
 GGCCGGGCCAGCGCCCTGGGGCTTCCGTATCACAGGGGGCAGGGATTTCCACACGCCCAT
 CATGGTACTAAGGTGGCCGAGCGGGGAAAGCCAAGGACGCTGACCTCCGGCCTGGAGA
 CATAATCGTGGCCATCAACGGGAAAGCGCGGAGGGCATGCTGCATGCCGAGGCCAGAG
 CAAGATCCGCCAGAGCCCTCGCCCTGCGGCTGCAGCTGGACCGGTCTCAGGCTACGTC
 TCCAGGGCAGACCAATGGGGACAGCTCCTTGAAGTGTGGCGACTCGCTTCCAGGGCTC
 CGTGAGGACATACTGAGAGTCAGTCTCCTTAAGTCTCCTACTCCAGCCCAACCTC
 CCTCAGCCGAGGGCCGCGAGCCCTTCTCACCACCACCTCTAGCAGCTCCCTACTGG
 AGAGGCGGCCATCAGCCGAGCTTCCAGAGTCTGGCATGTTCCCCGGGCCCTCCCCGCTGC
 TGACCGCCTGTCTACTCAGGCCGCCCTGGAAGCCGACAGGCCGGCCTCGGCCGCGCTGG
 CGACTCGGCGGTGCTGGTGTGCGCCTTCCCCGGGCCCTCGTTCCTCCAGGCCAGCAT
 GGACTCGGAAGGGGAAGCCTCCTCCTGGACGAGGACTCGGAAGTCTTCAAGATGCTGCA
 GGAAAATCGCGAGGGACGGGCGGCCCCCGACAGTCCAGTCTTTTGGCTCTTGCGAGGA
 AGCCCTGGAGGCTGAGGAGAGAGGTGGCACGCCAGCCTTCTTGCCAGCTCACTGAGCCC
 CCAGTCTCCTGCCCGCCTCCAGGGCCCTGGCCACCCCTCCCAAGCTCCACACTTGTGA
 GAAGTGCAGTACCAGCATCGCGAACAGGCTGTGCGCATCCAGGAGGGCCGGTACCGCCA
 CCCCGGCTGCTACACCTGTGCCGACTGTGGGCTGAACCTGAAGATGCGCGGGCACTTCTG
 GGTGGGTGACGAGCTGTACTGTGAGAAGCATGCCCGCCAGCGCTACTCCGCACCTGCCAC
 CCTCAGCTCTCGGGCCTGAGCCGCCATGCCCTCAGCCTGCCTCACTGCTGGGCCAGGGT
 CATGCCTATAAAGTTGGCATGGCAGGGACAATGGTGGGCAGTTGCTCTTACATGAGCTA
 AGTTTGGAGACCTGAGGCCCTTTGTCTCGTGGGTGGGCCAAGGTCTGGGACCTGTCT
 TGGACTGTGGGAGACTCACCTCACCTTGCCAGGCCTCTCCCTGCAGGACTGGCATTGC
 ACTAGTCTGAGGTGGCCACTGCCTTTGATCAACCTTTGTGTGCCAGGGTCTAAGTAGGGT
 CGAACACAGAAGTGGGAAGGAGAGGGGTGGGCCAGGGGCTAATGGTGTCACTGTGTAAG
 TTTTTGACATACTAGCTCTATAAATATGAATATGGACAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_021630

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).

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| 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_021630.4 , NP_067643.2 |
| RefSeq Size: | 1857 bp |
| RefSeq ORF: | 1059 bp |
| Locus ID: | 64236 |
| UniProt ID: | Q96JY6 |
| Cytogenetics: | 8p21.3 |
| Domains: | PDZ, LIM |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) differs in both UTRs and in the 5' and 3' coding regions, compared to variant 1. The resulting isoform (2) has distinct N- and C-termini and is longer than isoform 1.</p> |