

Product datasheet for **SC123630**

PDLIM7 (BC014521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM7 (BC014521) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDLIM7
Synonyms:	1110003B01Rik; LIM domain protein; LMP1; PDZ and LIM domain 7; PDZ and LIM domain 7 (enigma)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC014521 edited GGCACGAGGCTCCCTGGAGCCCCGACGCAGAGCAGCGCCCTGGCCGGGCAAGCAGGAGCC GGCATCATGGATTCCCTCAAAGTAGTGCTGGAGGGGCCAGCACCTTGGGGCTTCCGGCTG CAAGGGGGCAAGGACTTCAATGTGCCCTCTCCATTTCCCGGCTCACTCCTGGGGGCAAA GCGGCGCAGGCCGGAGTGGCCGTGGGTGACTGGGTGCTGAGCATCGATGGCGAGAATGCG GGTAGCCTCACACACATCGAAGCTCAGAACAAGATCCGGGCTGCGGGGAGCGCCTCAGC CTGGGCCCTCAGCAGGGCCAGCCGGTTCAGAGCAAACCGCAGAAGGCCTCCGCCCCCGCC GCGGACCTCCGCGGTACACCTTGCACCCAGCGTCTCCCTCAACAAGACGGCCCGGCC TTTGGGGCGCCCCGCGCTGACAGCGCCCCGAGCAGAATGGACAGCCGCTCCGACCG CTGGTCCCAGATGCCAGCAAGCAGCGGCTGATGGAGAACACAGAGGACTGGCGGCCGCG CCGGGGACAGGCCAGTCGCGTTCCTTCCGCATCCTTGCCACCTCACAGGCACCGAGTTC ATGCAAGACCCGGATGAGGAGCACCTGAAGAAATCAAGGGAAAAGTATGCCTGGAGCTG CAGAGCCACGCTACACCCGCTCCGGGACTGGCACCACCAGCGCTCTGCCACGTGCTC AACGTGCAGTCGTAGCCCGGCCCTCTCCAGCCGGCTGCCCTCTCTGCCTCCCTCTTCTG TTCTCTGCCCAGGGCACCCCTTAGTGCCTCCAGCTTCTGCCTACCTACCCCCCTT TCGTGCCCTGGCCTGAGCCTCCTGCTGGCCTGGCCCTGGCCGCCACCTGGGTTTATCT GACTGCTTCCCTCTTTGCCCTGTGGTACTGCTGTCTGCCAGGTCTGTGCTGCCTTGG GCATGGAATAACATTCTCAGCCCTGAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC014521 unedited GTTCAAAATTTGTAATACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTCCCT GGAGCCCAGCGCAGAGCAGCGCCCTGGCCGGGCAAGCAGGAGCCGGCATCATGGATTCC TTCAAAGTAGTGTGGAGGGCCAGCACCTTGGGGCTTCCGGCTGCAAGGGGCAAGGAC TTCAATGTGCCCTCTCCATTTCCCGGCTACTCCTGGGGCAAAGCGGCGCAGGCCGGA GTGGCCGTGGGTGACTGGGTGCTGAGCATCGATGGCGAGAATGCGGGTAGCCTCACACAC ATCGAAGCTCAGAACAAGATCCGGGCTGCGGGGAGCGCCTCAGCCTGGGCTCAGCAGG GCCCAGCCGGTTCAGAGCAAACCGCAGAAGGCCTCCGCCCCCGCCGGACCCTCCGCGG TACACCTTTGCACCCAGCGTCTCCTCAACAAGACGGCCCGCCCTTTGGGGCGCCCGG CCCGCTGACAGCGCCCGCAGCAGAATGGACAGCCGCTCCGACCCTGGTCCCAGATGCC AGCAAGCAGCGGCTGATGGAGAACACAGAGGACTGGCGGCCGGCCGGGGACAGGCCAG TCGCGTTCCTCCGCATCCTTGCCACCTCACAGGACCGAGTTCATGCAAGACCCGGAT GAGGAGCACCTGAAGAAATCAAGGAAAAGTATGTCCTGGAGCTGCAGAGCCACGCTAC ACCCGCTCCGGGACTGGCACCACCAGCGCTCTGCCACGTGCTCAACGTGCAGTCGTAG CCCGGCCCTCTCAGCCGCTGCCCTCTCTGGCTCCCTTTCTGGTTCTCTGCCCAGG GCACCCCTTATGCCTCCAGCTTCTGGCTACCTAAACCCCTTTCGTGCCCTTGCCTG AGCCTCTGCTGGCCTGGCCCTGCACGACCACTA
Restriction Sites:	Please inquire
ACCN:	BC014521
Insert Size:	1004 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).
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:	<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:	<u>BC014521.1, AAH14521.1</u>
RefSeq Size:	1004 bp
Locus ID:	9260
Cytogenetics:	5q35.3
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene is representative of a family of proteins composed of conserved PDZ and LIM domains. LIM domains are proposed to function in protein-protein recognition in a variety of contexts including gene transcription and development and in cytoskeletal interaction. The LIM domains of this protein bind to protein kinases, whereas the PDZ domain binds to actin filaments. The gene product is involved in the assembly of an actin filament-associated complex essential for transmission of ret/ptc2 mitogenic signaling. The biological function is likely to be that of an adapter, with the PDZ domain localizing the LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]