

Product datasheet for SC308131

PDLIM7 (NM_203352) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDLIM7 (NM_203352) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDLIM7
Synonyms:	LMP1; LMP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308131 representing NM_203352. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATTCTTCAAAGTAGTGCTGGAGGGGCCAGCACCTTGGGGCTTCCGGCTGCAAGGGGGCAAGGAC
TTCAATGTGCCCTCTCCATTTCCCGGCTCACTCTGGGGCAAAGCGGCGCAGGCCGGAGTGGCCGTG
GGTACTGGGTGCTGAGCATCGATGGCGAGAATGCGGGTAGCCTCACACACATCGAAGCTCAGAACAAG
ATCCGGGCTGCGGGGAGCGCTCAGCCTGGGCTCAGCAGGGCCAGCCGGTTCAGAGCAAACCCGAG
AAGGTGCAGACCCTGACAAACAGCCGCTCCGACCCTGGTCCCAGATGCCAGCAAGCAGCGCTGATG
GAGAACACAGAGGACTGGCGGCCGGCCGGGGACAGGCCAGTCCGCTTCCATCCTTGCCAC
CTCACAGGCCAGGATTCATGCAAGACCCGGATGAGGAGCACCTGAAGAAATCAAGCCAGGTGCCAGG
ACAGAAGCCCCAGCCCCAGCCTCATCTACACCCAGGAGCCCTGGCTGGCCCTACCGCCCCAGCCCT
ACCAGCCGCCCGCTGGGCTGTGGACCCTGCGTTTGCCGAGCGCTATGCCCCGGACAAAACGAGCACA
GTGCTGACCCGGCACAGCCAGCCGGCCACGCCACGCCGCTGCAGAGCCGCACCTCCATTGTGACGGCA
GCTGCCGGAGGGGTGCCAGGAGGGGGCAGCAACAACGGCAAGACTCCCGTGTGCACCAAGTCCACAAG
GTCATCCGGGGCCGCTACCTGGTGGCGCTGGGCCACCGTACCACCCGGAGGAGTTTGTGTGTAGCCAG
TGTGGGAAGTCTGGAAGAGGGTGGCTCTTTGAGGAGAAGGGGCCATCTTCTGCCACCATGCTAT
GACGTGCGCTATGCACCCAGCTGTGCAAGTCAAGAAGAAGATTACAGGCGAGATCATGCACGCCCTG
AAGATGACCTGGCACGTGCACTGCTTTACTGTGCTGCCTGCAAGACGCCATCCGGAACAGGGCCTTC
TACATGGAGGAGGGCTGCCCTATTGCGAGCGAGACTATGAGAAGATGTTTGGCAGGAAATGCCATGGC
TGTGACTTCAAGATCGACGCTGGGACCCTTCTGGAGGCCCTGGGCTCAGCTGGCATGACACCTGC
TTCGTCTGTGCGATATGTCAGATCAACCTGGAAGGAAAGACCTTCTACTCCAAGAAGGACAGGCCTCT
TGCAAGAGCCATGCCTTCTCTCATGTGTGA
AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	Sgfl-RsrII
Plasmid Map:	□
ACCN:	NM_203352
Insert Size:	1272 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:	<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_203352.2
RefSeq Size:	1668 bp
RefSeq ORF:	1272 bp
Locus ID:	9260
UniProt ID:	Q9NR12
Cytogenetics:	5q35.3
Protein Families:	Druggable Genome
MW:	46.5 kDa

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]

Transcript Variant: This variant (2) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform 2 which is shorter than isoform 1.