

Product datasheet for **SC306842**

PNLDC1 (NM_173516) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNLDC1 (NM_173516) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNLDC1
Synonyms:	HsPNLDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306842 representing NM_173516.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTCTGCACCCGAGGACTGCTATTTTTGCCTTCCTGGCAGGTCTGGACATAGAGTTCACGGGCCTT
CGTTCTAACCTGTCTGGGCCCCAGCAGATCAGCTTTTTGATTTGCCATCGGAGTGGTATCTAAAGACC
CGTCAGAGTGTTAGCAATTTACAGTCTGTGAGATTGGATTGTCTGTGTTTTCCGCTATTGAAGGAGAG
GCAAACAAGTATATAGCCATTCTGTAACTTCTATCTCTCCCTACAACGTTTGGGATTTGGACTCA
GAATTCTCCTCCAGGCTTCCAGTGTTCAAGTTTTGAATCAGTATGGCTTCAACTATAACAAGTTTCTC
AAAAACGGAATCCCATATATGAATGAAGAACAGGAGAAGAAAATTAGACACGATATCCTGACTGGGAAC
TGGAGAGTTTCGACGCTCTCCGGATAAAGACCAATCAAGGTGGTATTGACGAAGTGACGCGGTGGCTG
GAGCTGGCCAAGGAAGGCGACTGGATGACTCTTCTGGGATCACTGGCTCCAGGCCCTTGGAGTCCAA
CTGGTGTGAGGCAGGCCCTCCCAACATCTGGACGGTGTGAAAGATGAGGGGGTGGTAGTGAAGAAA
GTGAGTAAACAACATCGTTGGTATCTTCAGAACACCTCTTGTGACCGAGAGAGCTGTTGGAAGGAAAAT
ATTCTTCTCTCAGCAAGGGGTTTTCTGTCTTTTTCCAAATGCTGGTGAAGCCCAAGCCCTTAGTG
GGACATAATATGATGATGGACCTGCTGCACCTCCATGAGAAGTTCTTCAGACCCCTCCAGAAAAGCTAC
GATCAATTTAAGCAGAATATCCACAGCCTATTTCTGTTCTATTGATACCAAGAGTGAACAAAGGAT
ATCTGGAAGGAGATGAATTTCCCGAGGGTGTGCAATCTTTCGGAAGTCTATGAAGTCTGAACAGTGAC
TTGAATCCCACCAAGAATTTCTGGACCAGAGATTGTTACGCGAGCAGGTGTGAGAAAATGTTGAGACA
AAGTGCCCCACGAAGCCGCGTATGATGCCTTCTCTGTGGGTGAGTCTTTTGAAGTGGCACACTTG
CTTCTACAGAAGATATACCACATCGACCCCGTCCCGAGTCATCCTTCTCAGTACCTTGACGTGCTG
GCTCCTTACGTGAACCAAGTGAACCTCATCCGAGCGGGGTCCCAAAGATCAATTTTTCTGGTCCAGAT
TATCCCAGTATCCGACCTCCCATCTCCTCAGCGTCAAAGGTGGCTGGGGTCAGCGAGCAGCAA
GTCTACCAATAAGTTTCAAGTCTCTGCAAGTTTGTGTCAGGCGACTCACAAGAAGCCAGTTCTTACTC
CTGACCAATAAGTTAAGGATGCGCGGAACATCCTGAAGGAGTACCGGGACCACCCGACCCTGTGCATC
TCCCTGTACCGCTACTGGAGGCACTCCCAACGTCAACTGCCTGCTCCAAGTCTGTGGCATAGTGACT
GCCTGGGCCCTTCTCGCGTTCATCCTTGAAGATCTGGTACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_173516

Insert Size: 1563 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:	<u>NM_173516.2</u>
RefSeq Size:	1958 bp
RefSeq ORF:	1563 bp
Locus ID:	154197
UniProt ID:	<u>Q8NA58</u>
Cytogenetics:	6q25.3
MW:	60.1 kDa
Gene Summary:	<p>3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails (PubMed:27515512). Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early embryonic development (PubMed:27515512). May act as a regulator of multipotency in embryonic stem cells (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation at an alternate downstream start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.</p>