

Product datasheet for **SC323183**

LNX1 (NM_001126328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LNX1 (NM_001126328) Human Untagged Clone
Tag:	Tag Free
Symbol:	LNX1
Synonyms:	LNX; MPDZ; PDZRN2
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001126328, the custom clone sequence may differ by one or more nucleotides

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ATGAACCAGCCAGAGTCTGCCAACGATCCTGAACCCCTGTGTGCAGTGTGTGGCCAAGCCCACTCCTTGG
AGGAAAACCACTTCTACAGCTATCCAGAGGAAGTGGATGATGACCTCATCTGCCACATCTGCCTGCAGGC
TTTGCTGGACCCCTGGACACTCCGTGTGGACACACCTACTGCACCCCTGCCTACCAACTTCTGGTG
GAGAAGGACTTCTGTCCCATGGACCGCAAGCCTCTGGTTCTGCAGCACTGCAAGAAGTCCAGCATCCTGG
TCAACAAACTCCTCAACAAGCTACTGGTACCTGCCATTTCAGGGAGCACTGCACCCAGGTGTTGCAGCG
CTGTGACCTCGAGCATCACTTTCAAACCAGCTGTAAAGGTGCCTCCCACTACGGCCTGACCAAAGATAGG
AAGAGGCGCTCACAAGATGGCTGTCCAGACGGCTGTGCGAGCCTCACAGCCACGGCTCCCTCCCAGAGG
TTTCTGCAGTGCACCATCTCCTTAATGACAGACGAGCCTGGCCTAGACAACCCCTGCCTACGTGCCTC
GGCAGAGGACGGGACCCAGCAATCAGCCAGTGGACTCTGGCCGGAGCAACCGAACTAGGGCACGGCCC
TTTGAGAGATCCACTATTAGAAGCAGATCATTTAAAAAATAAATCGAGCTTTGAGTGTCTTTCGAAGGA
CAAAGAGCGGGAGTGCAGTTGCCAACCATGCCGACCAGGGCAGGAAAAATTCTGAAAACCACTGCCCC
TGAAGTCTTCCAAGGTTGTACCACCTGATTCCAGATGGTGAATTAACAGCATCAAGATCAATCGAGTA
GATCCCAGTGAAGCCTCTCTATTAGGCTGGTGGGAGGTAGCGAAACCCCACTGGTCCATATCATTATCC
AACACATTTATCGTGATGGGGTATCGCCAGAGACGGCCGGCTACTGCCAGGAGACATCATTCTAAAGGT
CAACGGGATGGACATCAGCAATGTCCCTCACAACCTACGCTGTGCGTCTCCTGCGGAGCCCTGCCAGGTG
CTGTGGCTGACTGTGATGCGTGAACAGAAGTCCGCAGCAGGAACAATGGACAGGCCCGGATGCCTACA
GACCCCGAGATGACAGCTTTCATGTGATTCTCAACAAAAGTAGCCCGAGGAGCAGCTTGAATAAAACT
GGTGCCCAAGGTGGATGAGCCTGGGTTTTTCATCTTCAATGTGCTGGATGGCGGTGTGCATATCGACAT
GGTCAGCTTGAGGAGAATGACCGTGTGTAGCCATCAATGGACATGATCTTCGATATGGCAGCCAGAAA
GTGCGGCTCATCTGATTACGGCCAGTGAAGACGTGTTACCTCGTGTCCCGCAGGTTTCGGCAGCG
GAGCCCTGACATCTTTCAGGAAGCCGGCTGGAACAGCAATGGCAGCTGGTCCCCAGGGCCAGGGGAGAGG
AGCAACACTCCCAAGCCCTCCATCCTACAATTACTTGTGATGAGAAGGTGGTAAATATCCAAAAGACC
CCGGTGAATCTCTCGGCATGACCGTCGACGGGGGAGCATCACATAGAGAATGGGATTTGCCTATCTATGT
CATCAGTGTGAGCCGGAGGAGTCATAAGCAGAGATGGAAGAATAAAAACAGGTGACATTTTGTGAAAT
GTGGATGGGGTCGAACTGACAGAGGTGAGCCGGAGTGGCAGTGGCATTATTGAAAAGAACATCATCCT
CGATAGTACTCAAAGCTTTGGAAGTCAAAGAGTATGAGCCCCAGGAAGACTGCAGCAGCCAGCAGCCCT
GGACTCCAACCACAACATGGCCCCACCCAGTACTGGTCCCCTCCTGGGTGATGTGGCTGGAATTACCA
CGGTGCTTGTATAACTGTAAAGATATTGTATTACGAAGAAACACAGCTGGAAGTCTGGGCTTCTGCATTG
TAGGAGGTTATGAAGAATACAATGGAACAACCTTTTTTTCATCAATCCATTGTTGAAGGAACACCAGC
ATACAATGATGGAAGAATTAGATGTGGTGTATTTCTTCTGTGTCAATGGTAGAAGTACATCAGGAATG
ATACATGCTTGTGGCAAGACTGCTGAAAGAACTTAAAGGAAGAATTACTCTAACTATTGTTTCTTGGC
CTGGCACTTTTTTATAG
    
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Restriction Sites: Please inquire
ACCN: NM_001126328

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_001126328.1](#), [NP_001119800.1](#)

RefSeq Size: 3199 bp

RefSeq ORF: 2187 bp

Locus ID: 84708

UniProt ID: [Q8TBB1](#)

Cytogenetics: 4q12

Protein Families: Druggable Genome

Gene Summary: This gene encodes a membrane-bound protein that is involved in signal transduction and protein interactions. The encoded product is an E3 ubiquitin-protein ligase, which mediates ubiquitination and subsequent proteasomal degradation of proteins containing phosphotyrosine binding (PTB) domains. This protein may play an important role in tumorigenesis. Alternatively spliced transcript variants encoding distinct isoforms have been described. A pseudogene, which is located on chromosome 17, has been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a, also known as LNxp80).

