

Product datasheet for **RG226115**

LNX1 (NM_001126328) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LNX1 (NM_001126328) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LNX1
Synonyms:	LNX; MPDZ; PDZRN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226115 representing NM_001126328
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAGCCAGAGTCTGCCAACGATCCTGAACCCCTGTGTGCAGTGTGTGGCCAAAGCCACTCCTTGG
 AGGAAAACCACTTCTACAGCTATCCAGAGGAAGTGGATGATGACCTCATCTGCCACATCTGCCTGCAGGC
 TTTGCTGGACCCCTGGACACTCCGTGTGGACACACTACTGCACCCCTCTGCCTACCAACTTCCTGGTG
 GAGAAGGACTTCTGTCCCATGGACCGCAAGCCTCTGGTTCTGCAGCACTGCAAGAAGTCCAGCATCTGG
 TCAACAACTCCTCAACAAGCTACTGGTACCTGCCATTAGGGAGCACTGCACCCAGGTGTTGCAGCG
 CTGTGACCTCGAGCATCACTTTCAAACCAGCTGTAAGGTGCCTCCCACTACGGCCTGACCAAGATAGG
 AAGAGGCGCTCACAAGATGGCTGTCCAGACGGCTGTGCGAGCCTCACAGCCACGGCTCCCTCCCGAGAGG
 TTTCTGCAGCTGCCACCATCTCCTAATGACAGACGAGCCTGGCCTAGACAACCCCTGCCTACGTGTCTC
 GGCAGAGGACGGGAGCCAGCAATCAGCCAGTGGACTCTGGCCGAGCAACCGAACTAGGGCAGCGCCC
 TTTGAGAGATCCACTATTAGAAGCAGATCATTTAAAAAATAAATCGAGCTTTGAGTGTTCTTCCGAAGGA
 CAAAGAGCGGGAGTGCAGTTGCCAACCATGCCGACCAGGGCAGGAAAATTTGAAAACACCACTGCCCC
 TGAAGTCTTCCAAAGTTGTACCACCTGATCCAGATGGTGAATTAACAGCATCAAGATCAATCGAGTA
 GATCCCAGTGAAGCCTCTCTATTAGGCTGGTGGGAGGTAGCGAAACCCCACTGGTCCATATCATTATCC
 AACACATTTATCGTGATGGGGTGTGCGCAGAGACGGCCGGCTACTGCCAGGAGACATCATTCTAAAGGT
 CAACGGGATGGACATCAGCAATGTCCTCAACAACACTACGCTGTGCGTCTCCTGCGGAGCCCTGCCAGGTG
 CTGTGGCTGACTGTGATGCGTGAACAGAAGTCCGCAGCAGGAACAATGGACAGGCCCGGATGCCTACA
 GACCCCGAGATGACAGCTTTCATGTGATTCTCAACAAAAGTAGCCCGAGGAGCAGCTTGGAAATAAACT
 GGTGCGCAAGGTGGATGAGCCTGGGGTTTTTCATCTTCAATGTGCTGGATGGCGGTGTGGCATATCGACAT
 GGTGAGCTTGGAGAGAATGACCGTGTGTTAGCCATCAATGGACATGATCTTCGATATGGCAGCCAGAAA
 GTGCGGCTCATCTGATTCAGGCCAGTGAAGACGTGTTACCTCGTGTCCCAGGTTCCGGCAGCG
 GAGCCCTGACATCTTTCAGGAAGCCGGCTGGAACAGCAATGGCAGCTGGTCCCAGGGCCAGGGGAGAGG
 AGCAACACTCCCAAGCCCTCCATCCTACAATTACTTGTGATGAGAAGGTGGTAAATATCCAAAAAGACC
 CCGGTGAATCTCTCGCATGACCGTGCAGGGGGAGCATCACATAGAGAATGGGATTTGCCTATCTATGT
 CATCAGTGTGAGCCCGGAGGAGTCATAAGCAGAGATGGAAGAATAAAAAACAGGTGACATTTTGTGAAT
 GTGGATGGGTGCAACTGACAGAGGTGAGCCGGAGTGGCAGTGGCATTATTGAAAAGAACATCATCCT
 CGATAGTACTCAAAGCTTTGGAAGTCAAAGAGTATGAGCCCGAGGAAGACTGCAGCAGCCAGCAGCCCT
 GGACTCCAACCACAACATGGCCCCACCCAGTGGTCCCCTCCTGGGTGATGTGGCTGGAATTACCA
 CGGTGCTTGATAACTGTAAAGATATTGTATTACGAAGAAACACAGCTGGAAGTCTGGGCTTCTGCATTG
 TAGGAGGTTATGAAGAATAAATGGAACAAACCTTTTTTTCATCAATCCATTGTTGAAGGAACACCAGC
 ATACAATGATGGAAGAATTAGATGTGGTGTATTTCTTCTGTGTCAATGGTAGAAGTACATCAGGAATG
 ATACATGCTTGTGGCAAGACTGCTGAAAGAACTTAAAGGAAGAATTACTCTAACTATTGTTTCTTGGC
 CTGGCACTTTTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226115 representing NM_001126328
 Red=Cloning site Green=Tags(s)

MNQPEASANDPEPLCAVCGQAHSLEENHFYSYPEEVDDDLICHICLQALLDPLDTPCGHTYCTLCLTNFLV
 EKDFCPMDRKPLVLQHCKSSILVNKLLNKLVTCPFREHCTQVLQRCDLEHHFQTSCKGASHYGLTKDR
 KRRSQDGCPCASLTATAPSEVSAATISLMTDEPLDNPAYVSSAEDGQPAISPVDSGRSNRTRARP
 FERSTIRSRSFKKINRALSVLRRTKSGSAVANHADQGRESENTTAPVFPRLYHLIPDGEITSIKINRV
 DPSELSIRLVGGSETPLVHIIIQHIYRDGVIARDGRLLPGDIIILKVNMGDISNVPHNYAVRLLRQPCQV
 LWLTVMREQKFRSRNNGQAPDAYRPRDDSFHVILNKSSPEEQLGIKLVRKVDEPGVIFVNLVLDGGVAYRH
 GQLEENDRVLAINGHDLRYGSPESAHLIQASERRVHLVYSRQVRQSPDIFQEAGWNSNGSWSPGPER
 SNTPKPLHPTITCHEKVNIQKDPGESLGMTVAGGASHREWDLPYIVISVEPGGVISRDGRIKTGDILLN
 VDGVELTEVSRSEAVALLKRTSSSIVLKALEVKEYEPQEDCSSPAALDSNHNMAPPSDWSPSWMMWLELP
 RCLYNCKDIVLRRNTAGSLGFCIVGGYEEYNGKPFFFIKSIVEGTPAYNDGRIRCGDILLAVNGRSTSGM
 IHACLARLLKELKGRITLTIIVSWPGTFL

TRTRPLE - GFP Tag - V

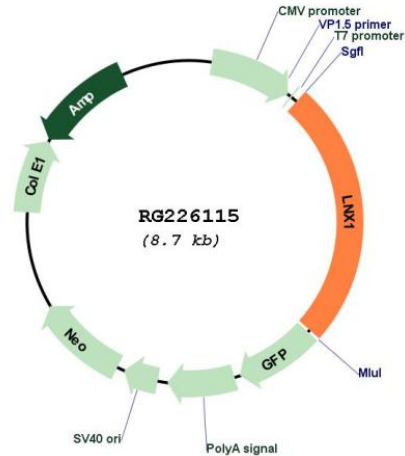
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001126328

ORF Size: 2184 bp

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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001126328.3](#)

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]