OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC207825

LNX2 (NM_153371) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LNX2 (NM_153371) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LNX2
Synonyms:	PDZRN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC207825 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAACAACAAGTGATGAGATGGTGTCTGTGGAACAGACCTCCTCCTCTTCTCTAAACCCCCTGTGTT
TTGAATGTGGCCAACAGCACTGGACAAGAGAAAACCATTTGTACAATTACCAGAATGAAGTGGATGATGA
CCTAGTCTGCCATATTTGCCTTCAACCTCTGCTGCAGCCACTAGACACACCCTGTGGACATACATTCTGC
TACAAGTGCCTCAGAAACTTTTTACAAGAGAAAGATTTCTGTCCGTTGGACCGGAAAAGACTTCATTTTA
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TTCAGTGTGCAAAGATGTAATGCAACGTTGTGATCTGGAGGCACATCTCAAAAACAGATGTCCTGGAGCT
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GGCCCACTCTACTAGATCCTGCAGGTACCTTATCTCCAGAAGCAGACTGTTTGGGGACAGGCGCAGTGCC
TGTGGAGCGGCACTTGACATCAGCGTCTCTTTCCACATGGAGTGAGGAGCCTGGCCTTGACAACCCTGCC
TTTGAGGAGAGCGCTGGAGCTGACACCACACAACAGCCACTTAGTTTACCAGAAGGAGAAATCACCACGA
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GACCAGATTCTTCAGGTCAACAACTACAATATCAGCAATGTGTCCCATAACTATGCCCGAGCTGTCCTTT
CCCAGCCCTGCAACACACTGCATCTTACTGTGCTTCGAGAGAGGCGCTTTGGCAACCGAGCACACAACCA
TTCTGATAGTAACTCTCCACGAGAAGAGATTTTCCAAGTGGCTCTTCATAAACGGGACTCTGGTGAACAG
CTTGGCATTAAATTGGTGCGAAGGACAGATGAGCCAGGGGTTTTTATTCTTGACCTGTTGGAAGGGGGGT
TGGCTGCCCAGGACGGCAGGCTAAGCAGCAATGACCGAGTGCTGGCCATCAATGGGCACGACCTGAAGTA
TGGAACTCCGGAGCTTGCTGCCCAGATTATTCAGGCCAGTGGAGAGAGAGTGAATTTAACAATTGCTAGA
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ACACATTACTGTAAAGAAGGAACCACATGAATCCCTTGGCATGACCGTTGCTGGGGGCAGGGGAAGTAAG
AGTGGTGAGCTGCCCATCTTTGTGACCAGTGTGCCACCCCATGGCTGCCTTGCACGAGATGGCAGAATAA
AGAGAGGTGATGTGTTGCTAAATATCAACGGCATTGATTTGACCAATTTAAGTCACAGTGAGGCAGTTGC
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AGTCACTCTGACCGTTATTTGTTGGCCTGGCAGCCTTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

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>RC207825 protein sequence
Red=Cloning site Green=Tags(s)

MGTTSDEMVSVEQTSSSSLNPLCFECGQQHWTRENHLYNYQNEVDDDLVCHICLQPLLQPLDTPCGHTFC
YKCLRNFLQEKDFCPLDRKRLHFKLCKKSSILVHKLLDKLLVLCPFSSVCKDVMQRCDLEAHLKNRCPGA
SHRRVALERRKTSRTQAEIENENGPTLLDPAGTLSPEADCLGTGAVPVERHLTSASLSTWSEEPGLDNPA
FEESAGADTTQQPLSLPEGEITTIEIHRSNPYIQLGISIVGGNETPLINIVIQEVYRDGVIARDGRLLAG
DQILQVNNYNISNVSHNYARAVLSQPCNTLHLTVLRERRFGNRAHNHSDSNSPREEIFQVALHKRDSGEQ
LGIKLVRRTDEPGVFILDLLEGGLAAQDGRLSSNDRVLAINGHDLKYGTPELAAQIIQASGERVNLTIAR
PGKPQPGNTIREAGNHSSSSQHHTPPPYYSRPSSHKDLTQCVTCQEKHITVKKEPHESLGMTVAGGRGSK
SGELPIFVTSVPPHGCLARDGRIKRGDVLLNINGIDLTNLSHSEAVAMLKASAASPAVALKALEVQIVEE
ATQNAEEQPSTFSENEYDASWSPSWVMWLGLPSTLHSCHDIVLRRSYLGSWGFSIVGGYEENHTNQPFFI
KTIVLGTPAYYDGRLKCGDMIVAVNGLSTVGMSHSALVPMLKEQRNKVTLTVICWPGSLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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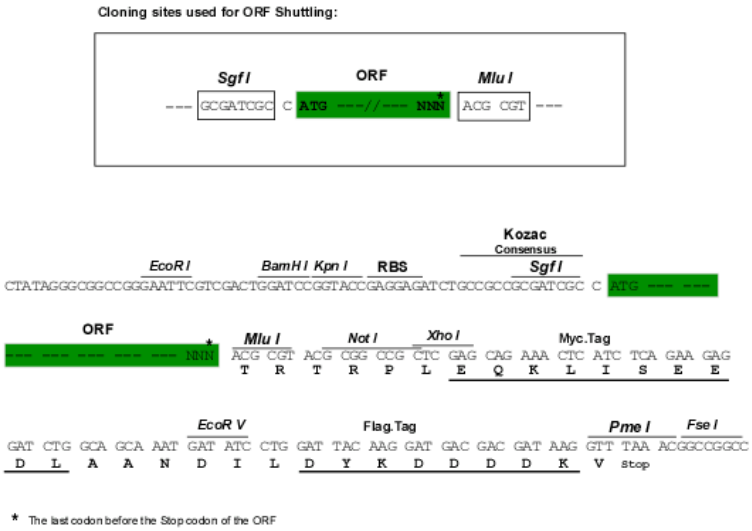
Chromatograms: https://cdn.origene.com/chromatograms/mk6862_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153371

ORF Size: 2070 bp

OTI Disclaimer: 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.

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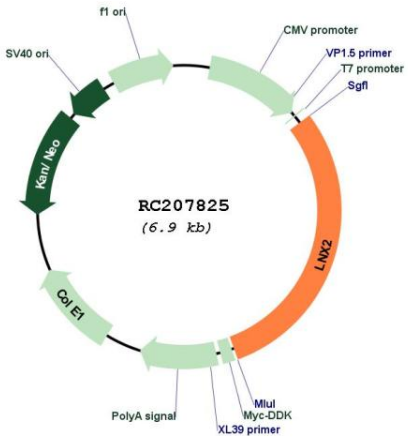
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_153371.4
RefSeq Size:	4804 bp
RefSeq ORF:	2073 bp
Locus ID:	222484
UniProt ID:	Q8N448
Cytogenetics:	13q12.2
Domains:	PDZ, RING
Protein Families:	Druggable Genome
MW:	76 kDa

Product images:



Circular map for RC207825

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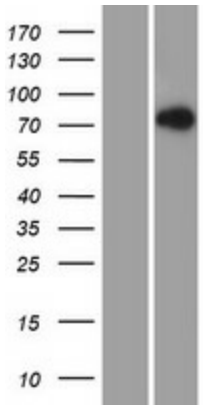

Western blot validation of overexpression lysate (Cat# [LY407083]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207825 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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