

Product datasheet for **MR219190**

LnX1 (NM_001159577) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | LnX1 (NM_001159577) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | LnX1 |
| Synonyms: | LnX |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>MR219190 representing NM_001159577
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACCAACCGGACCTGCAGATGACCCAGATCCAGTCCCAGCCTCTGTGCATAGTGTGGGCAAA
ACCACTCCCAGAGGAAAACCACTTCTACACGTACACAGAGGATGTAGATGACGACCTCATATGCCACAT
CTGTCTGCAAGCATTGCTGGACCTCTGGACACTCCATGTGGACACACCTACTGCACCCTGTGTCTCACC
AACTTCCTGGTGGAGAAGGACTTCTGCCCTGTGGATCGAAAGCCTGTGGTTCTGCAGCACTGCAAGAAAT
CCAGTATCTTGGTCAACAAGCTTCTCAATAAGCTGTTGGTCACTGCCGTTTACGGAGCACTGCACTGA
GGTGCTACAGCGCTGTGATCTCCAGCATCATTTCCAGACAAGCTGCAAAGGGGCCCTCCACTATGGCCTG
ACCAAGGACAGGAAAAGGCGCTCAAGATGGCTGTCTGATGGTTGCGCCAGCCTCATGGCAACGACGC
TCTCCCAGAGGTTTCTGCAGCCGCCACCATCTCTTAAATGACAGATGAGCCTGGCCTAGACAACCTGC
CTACGTGTCTCGTGGAGGATGGTGGCCAGTAGCCAACCTCTCAGACTCTGGCCGGAGCAACCGGACT
AGGGCACGGCCCTTTGAGCGCTCCACTATGAGAAGCCGGTCTTTCAAGAAGATCAACCGAGCTCTAAGTG
CTCTCCGGAGGACGAAGAGCGGGAGTGTGCTGGCAACCATGTTGACCAGGGCAGGGACAACCTCTGAGAA
CACCAGTGTCCCAGAGTCTTCCAAGGTTGTTTACCTGATTCCAGATGGTGAATTAACAAGCATCAAA
ATCAACAGAGCGGATCCCAGCGAAAGCCTCTCCATAAGGCTGGTGGGGGGCAGCGAGACGCCGCTGGTCC
ACATCATCATCCAGCATATTTATCGCGATGGAGTGATTGCCAGAGATGGACGGCTGCTGCCAGGAGACAT
CATTCTCAAGGTCAACGGCATGGACATCAGCAATGTCCCTCATAACTATGCCGTGCGGCTCTGCGGCAG
CCCTGCCAGGTGCTGCGGCTAACGGTGTGCGGGAGCAGAAGTCCGTAGCAGAAGCAATGCGCACGTGC
CGGACTCTATGGACCTCGGGATGACAGCTTCCATGTAATCCTCAACAAAAGCAGCCCGAGGAGCAGCT
TGGCATAAAGCTGGTGCCTGGGTGGATGAGCCCGGCGTGTTCATCTTCAACGTGCTAAATGGGGGTGTC
GCCGACCGACACGGCCAGCTGGAGGAGAATGACCGTGTGCTGGCCATCAACGGGCATGACCTTCGATTTG
GCAGTCCAGAGAGTGCAGCTCATCTGATTGAGCCAGTGAAGACGCGTCCATCTCGTGTGCTCCCGCCA
GGTTCGACAGTCCAGCCAGACATCTTTCAAGAAGCTGGCTGGATCAGCAATGGCCAGCAATCCCAGGC
CCAGGAGAGAGGAACACAGCTTCTAAGCCTGCAGCCACCTGTGATGAGAAGGTTGTAAGTGTCTGGAAAG
ACCCAGCGAGTCTCTCGGCATGACCGTCCGAGGGGGAGCATCCCACAGGGAATGGGACTTGCCCATCTA
TGTCATCAGTGTGAACCCGGCGGAGTCATAAGCAGAGACGGGAGAATAAAAACAGGTGACATTTTATTG
AATGTGAATGGGATTGAGCTCACAGAGGTCAGCCGGACAGAGGCCGTTGCCATACTGAAGAGCGCACCT
CCTCAGTGGTACTCAAAGCCTTGAAGTCAAGGAACAGGAGGCCAGGAAGACTGCAGCCAGCAGCCCT
GGACTCCAACCACAACGTGACCCCGCTGGTACTGGTCCCCTCCTGGGTGATGTGGCTGGAATACCA
CAGTACTTATGTAAGTGTAAAGATGTGATACTGCGAAGGAACACAGCTGGAAGCCTGGGCTTCTGCATTG
TGGGAGGTTATGAAGAATACAGTGGGAACAAACCTTTTTTTATCAAGTCCATTGTTGAAGGAACACCTGC
ATACAATGACGGAAGAATCAGATGTGGTGAATTTCTCTCGCTGTCAACGGTAGAAGTACATCGGGTATG
ATACACGCTTGCCTGGCCAGGATGCTCAAGGAACCTAAAGGGAGAATTACTCTGACCATTGCTTCTTGGC
CTGGTACTTTTTTA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219190 representing NM_001159577
Red=Cloning site Green=Tags(s)

```

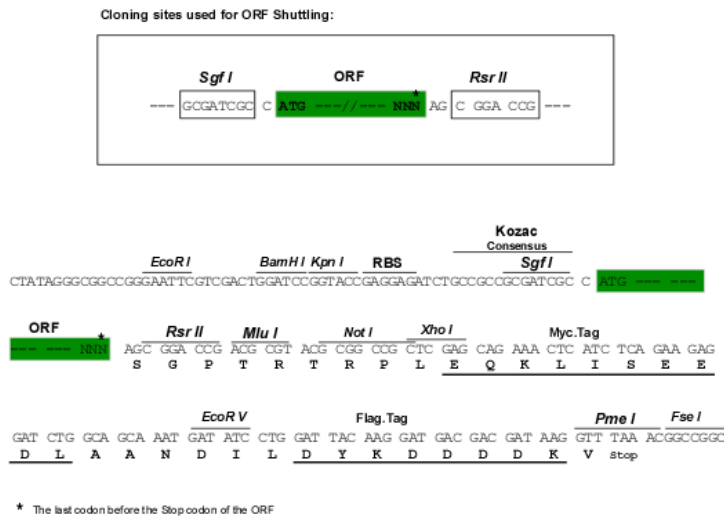
MNQPDLADDPDSPEPLCIVCGQNSPEENHFYTYTEDVDDDLICHICLQALLDPLDTPCGHTYCTLCLT
NFLVEKDFCPVDRKPVVLQHCCKSSILVNKLLNKLLVTCPFTEHCTEVLQRCDLQHHFQTSCKGASHYGL
TKDRKRRSQDGCPCDGCASLMATTL SPEVSAATISLMTDEPGLDNPAYVSVEDGEPVANSSDSGRSNRT
RARPFERSTMRSRSFKKINRALSALRRTKSGSVVANHVDQGRDNSENTTVPEVFPRLFHLIPDGEITSIK
INRADPSELSIRLVGGSETPLVHIIIQHIYRDGVIARDGRLLPGDIILKVNMGDISNVPHNYAVRLLRQ
PCQVLRRLTVLREQKFRSRNAHVPSYGPRDSSFHVLNKSSPEEQLGIKLVRRVDEPGVVFVNLNGGV
ADRHGQLEENDRVLAINGHDLRFGSPESAHLIQASERRVHLVVSQRVQSSPDIFQEAGWISNGQQSPG
PGERNTASKPAATCHEKVSVVKDPSESLGMTVGGGASHREWDLPIYVISVEPGGVISRDGRIKTDGILL
NVNGIELTEVSRTEAVAILKSAPSSVVLKALEVKEQEAQEDCSPAALDSNHNVTTPGDWSPSWMWLELP
QYLCNCKDVILRRNTAGSLGFCIVGGYEEYSGNKPFFIKSIVEGTPAYNDGRIRCGDILLAVNGRSTSGM
IHACLARMLKELKGRITLTIASWPGTFL
    
```

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9094_f03.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001159577

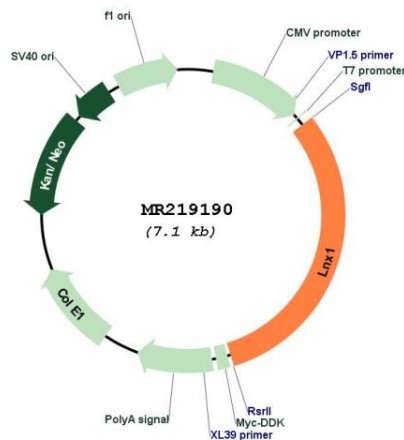
ORF Size: 2184 bp

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.

| | |
|-------------------------------|---|
| 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_001159577.1, NP_001153049.1</u> |
| RefSeq Size: | 2571 bp |
| RefSeq ORF: | 2187 bp |
| Locus ID: | 16924 |
| UniProt ID: | <u>O70263</u> |
| Cytogenetics: | 5 C3.3 |
| MW: | 80.2 kDa |
| Gene Summary: | E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of NUMB. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates ubiquitination of isoform p66 and isoform p72 of NUMB, but not that of isoform p71 or isoform p65.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR219190