

## Product datasheet for **RR212699**

### **Lnx1 (NM\_001108358) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lnx1 (NM_001108358) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lnx1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR212699 representing NM\_001108358  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCAACCAGACCTTGTGACGACCCAGATCCAGCCCCAGCCCCGTGCGTAGTGTGTGGCCAAA  
 ACCACTCCCAGAGGAAAACCACTTCTACACATACACAGAAGATGTAGACGACGACCTCGTATGCCACAT  
 CTGCCTACAAGCATTGCTAGACCTCTGGACACTCCGTGTGGACACACCTACTGTACCCTGTGTCTCACC  
 AACTTCCTGGTGGAGAAGGACTTCTGCCCTGTGGATCGAAAGCCTGTGGTTCTGCAGCACTGCAAGAAAT  
 CCAACATCTTGGTCAACAAGCTTCTCAACAAGCTGTTGGTCAACTGCCATTACAGAGCACTGTCCGA  
 GGTGCTCCAGCGCTGCAATCTCCAGTATCATTTCAGACCAGCTGCAAAGGGCCTCCACTATGGCCTG  
 ACCAAAGACAGGAAAAGACGCTCACAAGATGGCTGCCCTGATGGTTGCGCCAGCCTCACGGCAACGACGC  
 TCTCCCCAGAGGTTTCTGCTGCTGCCACCATCTTTAATGACAGACGAGCCTGGCTAGACAATCTGC  
 CTACACGTCCTCAGTGGAGGATGGTGAACCGGTAACCAACCCCTCAGACACTGGCCGGAGCAACCGAAC  
 AGGGCACGGCCCTTTGAGCGCTCCACTATGAGAAGCCGCTCTTTCAAAAAGATCAACCGAGCCCTGAGTG  
 CTCTCCGAAGGACGAAGAGTGGAAGTGCTGTTGCCAACACGCTGACCAGGGCAGGGACAACCTCTGAGAA  
 CGACACTGTCCCCGAAGTCTTCCAAGGTTGTTTACCTGATTCCAGATGGTGAATTAACAAGCATCAAG  
 ATCAATAGAGTGGATCCCAATGAAAGCCTCTCCATAAGGCTTGTGGGAGGACGAGACCCCGCTGGTCC  
 ACATCATCATCCAGCATATTTATCGTGATGGAGTGATTGCCAGAGATGGACGACTGCTGCCAGGAGACAT  
 CATTCTCAAGTCAATGGCATGGACATCAGCAATGTCCCTCATAACTATGCCGTGCGGCTCCTGCCGAG  
 CCCTGCCAGGTGCTACGGCTAACGGTCTGCGGGAACAGAAGTCCGTAGCAGAAGCAATGCTCCTGCGC  
 CGGACTCCTACGGACCTCGGGATGACAGCTTCCATGTAATCCTCAACAAAAGCAGCCCTGAGGAGCAGCT  
 TGGCATAAAGCTGGTGCGCAGGGTGGATGAGCCCGGGTGTTCATCTTCAACGTGCTGAATGGCGGTGTT  
 GCCGACCGACACGGCCAGCTGGAGGAGAATGATCGTGTGTTGGCCATCAACGGACATGACCTTCGATTTG  
 GCAGTCCAGAGAGCGCAGCTCATCTGATTAGGCCAGTGAAGACGTGTTACCTCGTCGTCCCGCCA  
 GGTTCCAGAGCCAGCCAGACATCTTTCAAGAAGCTGGCTGCATCAGCAACGGCCAGCAGTCTCCTGTC  
 TCAGGGGAGAGGAGCACATCTTCTAAGCCTGCAGCCACTTGTCATGAGAAGGTTGTAAGTGTCCAAAAG  
 ACCCCAACGAATCTCTCGGCATGACCGTTGGAGGGGAGCATCACACAGAGAATGGGACTTGCCCATCTA  
 TGTATCAGTGTGAGCCCGGAGGAGTCATAAGCAGAGACGGAAGAATAAAAACAGGTGACATTTTATTG  
 AATGTGAATGGGATTGAGCTCACAGAGGTCAGCCGGACAGAGCCGTTGCCATACTGAAGAGCACACCCCT  
 CCTCAGTGGTACTCAAAGCCTTGAAGTCAAGGAACAGGAGACCCAGGAAGACTGCAGCCAGCAGCCCT  
 GGACTCCAACCACAACGTGACCCCGCTGGTACTGGTCCCCTCCTGGGTGATGTGGCTGGAATTACCA  
 CAGTACTTATATAACTGTAAGGATGTGATACTACGAAGGAACACAGCGGGGAGCCCTGGGCTTCTGCATTG  
 TGGGAGGTTATGAAGAATACAGTGGTAACCAACCTTTTTTTATCAAAATCCATCGTCGAGGGAACACCCGC  
 GTATAATGATGGAAGAATTAGATGTGGTGAATCTTCTTGTGTCAACGGCAGAAGCACGTGCGGGATG  
 ATGCACGCTGCTTAGCGAGGATGCTCAAAGAACTCAAAGGAAAATTACTCTACCATTGCTTCTGCGC  
 CTGGTACTTTTTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212699 representing NM\_001108358  
 Red=Cloning site Green=Tags(s)

MNQPDLDPPDPSPPEPLCVVCGQNHSPEENHFYTYTEDVDDDLVCHICLQALLDPLDTPCGHTYCTLCLT  
 NFLVEKDFCPVDRKPVVLQHCCKSNILVNKLLNKLLVNCPFTEHCSEVLQRCNLQYHFQTSCKGASHYGL  
 TKDRKRRSQDGCPCDGCASLTATLTSPEVSAATISLMTDEPGLDNPAYTSSVEDGEPVTNPSTGRSNT  
 RARPFERSTMRSRSFKKINRALSALRRTKSGSAVANHADQGRDNSENDTVPEVFPRLFHLIPDGEITSIK  
 INRVDPNESLSIRLVGGSETPLVHIIIQHIYRDGVIARDGRLLPGDIILKVNMDISNVPHNYAVRLLRQ  
 PCQVLRRLTVLREQKFRSRNAPADPSYGPRDSSFHVLNKSSPEEQLGIKLVRRVDEPGVFIFNVLNGGV  
 ADRHGQLEENDRYLAINGHDLRFGSPESAHLIQASERRVHLVVSQRVQPSDFIQEAGCISNGQQSPV  
 SGERSTSSKPAATCHEKVVSQKDPNESLGMTVGGGASHREWDLPIYVISVEPGGVISRDGRIKTDGILL  
 NVNGIELTEVSRTEAVAALKSTPSSVVLKALEVKEQETQEDCSPAALDSNHNVTTPGDWSPSWMWLELP  
 QYLYNCKDVILRRNTAGSLGFCIVGGYEEYSGNQPFPIKSIVEGTPAYNDGRIRCGDILLAVNGRSTSGM  
 MHAACLARMLKELKGKITLTIASWPGFLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001108358

**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:**
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\\_001108358.1](#), [NP\\_001101828.1](#)

**RefSeq Size:** 2790 bp

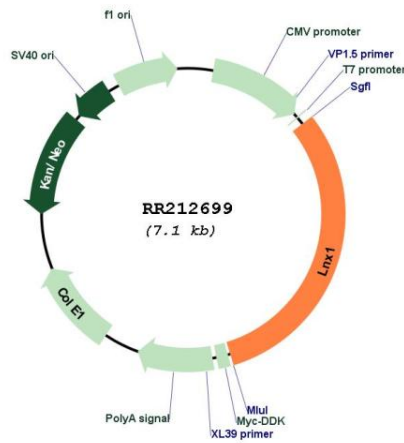
**RefSeq ORF:** 2187 bp

**Locus ID:** 360926

**Cytogenetics:** 14p11

**MW:** 80.2 kDa

**Product images:**



Circular map for RR212699