

## Product datasheet for **MC221080**

### **LnX1 (NM\_001159577) Mouse Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >MC221080 representing NM\_001159577  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACCAACCGACCTTGCAGATGACCCAGATCCCAGTCCCAGCCTCTGTGCATAGTGTGGGCAAA  
 ACCACTCCCAGAGGAAAACCACTTCTACACGTACACAGAGGATGTAGATGACGACCTCATATGCCACAT  
 CTGTCTGCAAGCATTGCTGGACCCTCTGGACACTCCATGTGGACACACCTACTGCACCCTGTGTCTCACC  
 AACTTCTGCTGGAGAAGGACTTCTGCCTGTGGATCGAAAGCCTGTGGTTCTGCAGCACTGCAAGAAAT  
 CCAGTATCTTGGTCAACAAGCTTCTCAATAAGCTGTTGGTCACTGCCCGTTCACGGAGCACTGCACTGA  
 GGTGCTACAGCGCTGTGATCTCCAGCATCATTTCCAGACAAGCTGCAAAGGGGCCTCCCCTATGGCCTG  
 ACCAAGGACAGGAAAAGGCGCTCTCAAGATGGCTGTCTGATGGTTGCGCCAGCCTCATGGCAACGACGC  
 TCTCCCAGAGGTTTCTGCAGCCGCCACCATCTCTTAAATGACAGATGAGCCTGGCCTAGACAACCTGC  
 CTACGTGTCTCGGTGGAGGATGGTGGAGCAGTACCAACTCCTCAGACTCTGGCCGGAGCAACCGGACT  
 AGGGCAGCGCCCTTTGAGCGCTCCACTATGAGAAGCCGGTCTTTCAAGAAGATCAACCGAGCTCTAAGTG  
 CTCTCCGGAGGACGAAGAGCGGGAGTGTCTGTTGCCAACCATGTTGACCAGGGCAGGGACAACCTCTGAGAA  
 CACCACTGTCCCCGAAGTCTTCCAAGGTTGTTTACCTGATTCCAGATGGTGAATTACAAGCATCAAA  
 ATCAACAGAGCGGATCCCAGCGAAAGCCTCTCCATAAGGCTGGTGGGGGCGAGCAGACGCCGCTGGTCC  
 ACATCATCATCCAGCATATTTATCGCGATGGAGTGATTGCCAGAGATGGACGGCTGTGCCAGGAGACAT  
 CATTCTCAAGGTCAACGGCATGGACATCAGCAATGTCCCTCATAACTATGCCGTGCGGCTCCTGCCGCG  
 CCCTGCCAGGTGCTGCGGCTAACGGTGTGCGGGAGCAGAAGTCCGTAGCAGAAGCAATGGCAGCTGC  
 CGGACTCCTATGGACCTCGGGATGACAGCTTCCATGTAATCCTCAACAAAAGCAGCCCGAGGAGCAGCT  
 TGGCATAAAGCTGGTGCCTGGGTGGATGAGCCCGCGCTGTTCATCTTCAACGTGCTAAATGGGGGTGTC  
 GCCGACCGACACGGCCAGCTGGAGGAGAATGACCGTGTGCTGGCCATCAACGGGCATGACCTTCGATTTG  
 GCAGTCCAGAGAGTGCAGCTCATCTGATTACAGCCAGTGAAGACGCGTCCATCTCGTCGTCTCCCGCCA  
 GGTTTCGACAGTCCAGCCAGACATCTTTCAAGAAGCTGGCTGGATCAGCAATGGCCAGCAATCCCAGGC  
 CCAGGAGAGAGGAACACAGCTTCTAAGCCTGCAGCCACCTGTATGAGAAGGTTGTAAGTGTCTGGAAG  
 ACCCCAGCGAGTCTCTCGGCATGACCGTCCGAGGGGGAGCATCCACAGGGAATGGGACTTGCCCATCTA  
 TGTATCAGTGTGAACCCGGCGGAGTCAAGCAGAGACGGGAGAATAAAAACAGGTGACATTTTATTG  
 AATGTGAATGGGATTGAGCTCACAGAGTCCAGCCGACAGAGGCCGTTGCCACTGAAGAGCGCACCT  
 CCTCAGTGGTACTCAAAGCCTTGAAGTCAAGGAACAGGAGGCCAGGAAGACTGCAGCCAGCAGCCCT  
 GGACTCCAACCACAACGTGACCCCGCTGGTACTGGTCCCCTCCTGGGTCATGTGGCTGGAATTACCA  
 CAGTACTTATGTAAGTAAAGATGTGATACTGCGAAGGAACACAGCTGGAAGCCTGGGCTTCTGCATTG  
 TGGGAGGTTATGAAGAAACAGTGGGAACAAACCTTTTTTATCAAGTCCATTGTTGAAGGAACACCTGC  
 ATACAATGACGGAAGAATCAGATGTGGTGACATTTCTCTCGCTGTCAACGGTAGAAGTACATCGGATG  
 ATACACGCTTGCCCTGGCCAGGATGCTCAAGGAACCTAAAGGGAGAATTACTCTGACCATTGCTTCTTGGC  
 CTGGTACTTTTTTAA**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001159577

**Insert Size:** 2187 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001159577.1, NP_001153049.1</u>
<b>RefSeq Size:</b>	2571 bp
<b>RefSeq ORF:</b>	2187 bp
<b>Locus ID:</b>	16924
<b>UniProt ID:</b>	<u>O70263</u>
<b>Cytogenetics:</b>	5 C3.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>