

Product datasheet for **MC219704**

LnX1 (NM_001159580) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LnX1 (NM_001159580) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	LnX1
Synonyms:	LnX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219704 representing NM_001159580
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGCGCTGCTGCTTCTGGTCTGCCTGGCTGAGTCCAGCTAACTACATTGACAATGTGGCAACC
 TGCACCTCCTGTACTCGAACTCTGCAAAGGGCCTCCCACTATGGCCTGACCAAGGACAGGAAAAGCG
 CTCTCAAGATGGCTGTCCTGATGGTTGCGCCAGCCTCATGGCAACGACGCTCTCCCCAGAGGTTTCTGCA
 GCCGCCACCATCTCTTTAATGACAGATGAGCCTGGCCTAGACAACCTGCCTACGTGTCCTCGTGGAGG
 ATGGTGAAGCCAGTAGCCAACCTCCTCAGACTCTGGCCGGAGCAACCGGACTAGGGCACGGCCCTTTGAGCG
 CTCCACTATGAGAAGCCGGTCTTTCAAGAAGATCAACCGAGCTCTAAGTCTCTCCGGAGGACGAAGAGC
 GGGAGTGTGTTGCCAACATGTTGACCAGGGCAGGGACAACCTCTGAGAACACCACTGTCCCGAAGATG
 GTGAAATACAAGCATAAAATCAACAGAGCGGATCCCAGCGAAAGCCTCTCCATAAGGCTGGTGGGGG
 CAGCGAGACGCCGCTGGTCCACATCATATCCAGCATATTTATCGCGATGGAGTGATTGCCAGAGATGGA
 CGGCTGTGCCAGGAGACATCATTCTCAAGGTCAACGGCATGGACATCAGCAATGTCCCTCATAACTATG
 CCGTGGCGCTCCTGCGGCAGCCCTGCCAGGTGCTGCGGCTAACGGTGTGCGGGAGCAGAAGTCCCGTAG
 CAGAAGCAATGCGCACGTGCCGGACTCCTATGGACCTCGGGATGACAGCTTCCATGTAATCCTCAACAAA
 AGCAGCCCCGAGGAGCAGCTTGGCATAAAGCTGGTGGCCGGGTGGATGAGCCCGCGTGTTCATCTTCA
 ACGTGTAAATGGGGTGTGCGCCGACCGACACGGCCAGCTGGAGGAGAATGACCGTGTGCTGGCCATCAA
 CGGGCATGACCTTCGATTTGGCAGTCCAGAGAGTGCAGCTCATCTGATTGAGCCAGTGAAGACCGGTC
 CATCTCGTGTGTCGCCAGGTTGACAGTCCAGCCAGACATCTTTCAAGAAGCTGGCTGGATCAGCA
 ATGGCCAGCAATCCCCAGGCCAGGAGAGGAAACACAGCTTTAAGCCTGCAGCCACCTGTGATGAGAA
 GGTTGTAAGTGTCTGAAAGACCCAGCGAGTCTCTCGGCATGACCGTCCGAGGGGAGCATCCACAGG
 GAATGGGACTTGCCATCTATGTCATCAGTGTGAACCCGGCGAGTCTAAGCAGAGACGGGAGAATAA
 AAACAGGTGACATTTTATTGAATGTGAATGGGATTGAGCTCACAGAGGTGAGCCGGACAGAGGCCGTTGC
 CATACTGAAGAGCGCACCCCTCCTCAGTGGTACTCAAAGCCTTGGAAAGTCAAGGAACAGGAGGCCAGGAA
 GACTGCAGCCCAGCAGCCCTGGACTCCAACCACAACGTGACCCCGCTGGTACTGGTCCCCATCTGGG
 TCATGTGGCTGGAATTACCACAGTACTTATGTAAGTGTAAAGTGTGATACTGCGAAGGAACACAGCTGG
 AAGCCTGGGCTTCTGCATTGTGGGAGGTTATGAAGAATACAGTGGGAACAAACCTTTTTTTATCAAGTCC
 ATGTTGAAGGAACACCTGCATACAATGACGGAAGAATCAGATGTGGTGACATCTTCTCGCTGTCAACG
 GTAGAAGTACATCGGGTATGATACACGCTTGCCTGGCCAGGATGCTCAAGGAACCTAAAGGGAGAATTAC
 TCTGACCATTGCTTCTGGCCTGGTACTTTTTTAA**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001159580

Insert Size: 1857 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).

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_001159580.1](#), [NP_001153052.1](#)

RefSeq Size: 2317 bp

RefSeq ORF: 1857 bp

Locus ID: 16924

UniProt ID: [O70263](#)

Cytogenetics: 5 C3.3

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]
Transcript Variant: This variant (5) differs in the 5' UTR and coding region, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (5) with a shorter N-terminus compared to isoform 1.