

## Product datasheet for **MR217668**

### **LnX1 (NM\_001159580) Mouse Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>MR217668 representing NM\_001159580  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGAAGGCGCTGCTGCTTCTGGTCTGCCTGGCTGAGTCCAGCTAACTACATTGACAATGTGGCAACC  
 TGCACCTCCTGTACTCGAACTCTGCAAAGGGCCTCCCACTATGGCCTGACCAAGGACAGGAAAAGCGG  
 CTCTCAAGATGGCTGTCCTGATGGTTGCGCCAGCCTCATGGCAACGACGCTCTCCCCAGAGGTTTCTGCA  
 GCCGCCACCATCTCTTTAATGACAGATGAGCCTGGCCTAGACAACCTGCCTACGTGTCTCGTGGAGG  
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 CTCCACTATGAGAAGCCGGTCTTTCAAGAAGATCAACCGAGCTCTAAGTCTCTCCGGAGGACGAAGAGC  
 GGGAGTGTGTTGCCAACATGTTGACCAGGGCAGGGACAACCTGAGAACACCCTGTCCCGAAGATG  
 GTGAAATACAAGCATAAAATCAACAGAGCGGATCCCAGCGAAAGCCTCTCCATAAGGCTGGTGGGGGG  
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 CCGTGGCGCTCCTGCGGCAGCCCTGCCAGGTGCTGCGGCTAACGGTGTGCGGGAGCAGAAGTCCGTAG  
 CAGAAGCAATGCGCACGTGCCGGACTCCTATGGACCTCGGGATGACAGCTTCCATGTAATCCTCAACAAA  
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 GACTGCAGCCCAGCAGCCCTGGACTCCAACCACAACGTGACCCCGCTGGTACTGGTCCCCATCTGGG  
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 AAGCCTGGGCTTCTGCATTGTGGGAGGTTATGAAGAATACAGTGGGAACAAACCTTTTTTTATCAAGTCC  
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 GTAGAAGTACATCGGGTATGATACACGCTTGCCTGGCCAGGATGCTCAAGGAACCTAAAGGGAGAATTAC  
 TCTGACCATTGCTTCTGGCCTGGTACTTTTTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAA**CTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC**  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

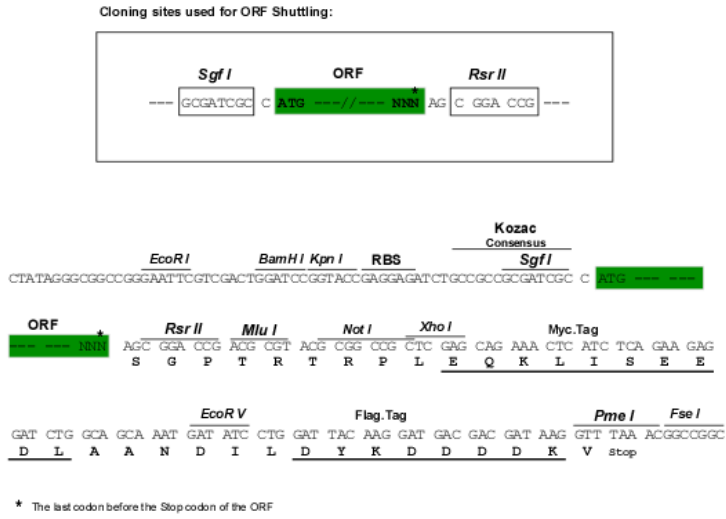
>MR217668 representing NM\_001159580  
 Red=Cloning site Green=Tags(s)

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 AATISLMTDEPGLDNPAYVSSVEDGEPVANSSDSGRSNRTRARPFERSTMRSRSFKKINRALSALRRTKS  
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 RLLPGDIILKVNMDISNVPHNYAVRLLRQPCQVLRLTVLREQKFRSRNAHVDPDSYGPDRDSSFHVLNK  
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 EWDLPYVVISVEPGGVI SRDGRIKTGDILLNVNGIELTEVSRTEAVAILKSAPSSVVLKALEVKEQEAQE  
 DCSPAALDSNHVTPPGDWSPSWMMLELPQYLCNCKDVILRRNTAGSLGFCIVGGYEEYSNGNKPFFIKS  
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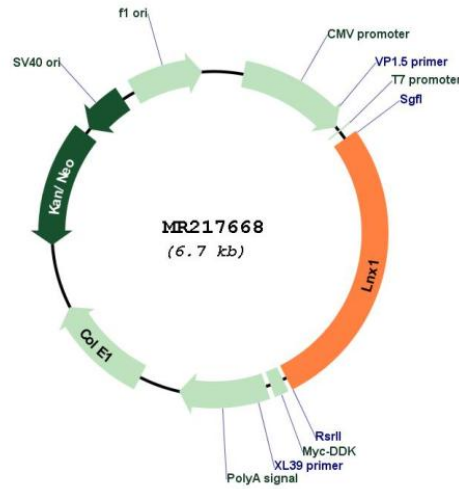
**SGP**TRTRRLE**QKLI**SEEDLAANDILDYKDDDDK**V**

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001159580

ORF Size: 1854 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001159580.1</a> , <a href="#">NP_001153052.1</a>
<b>RefSeq Size:</b>	2317 bp
<b>RefSeq ORF:</b>	1857 bp
<b>Locus ID:</b>	16924
<b>UniProt ID:</b>	<a href="#">O70263</a>
<b>Cytogenetics:</b>	5 C3.3
<b>MW:</b>	68 kDa
<b>Gene Summary:</b>	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]