

Product datasheet for **MR217650**

LnX1 (NM_001159578) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | LnX1 (NM_001159578) 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:

>MR217650 representing NM_001159578
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCGCTGCTGCTTCTGGTCTGCCTGGCTGAGTCCAGCTAACTACATTGACAATGTGGCAACC
 TGCACTTCCTGTACTCGAACTCTGCAAAGGGGCTCCCACTATGGCCTGACCAAGGACAGGAAAAGCG
 CTCTCAAGATGGCTGCTGATGGTTGCGCCAGCCTCATGGCAACGACGCTCTCCCCAGAGGTTTCTGCA
 GCCGCCACCATCTCTTTAATGACAGATGAGCCTGGCCTAGACAACCTGCCTACGTGCTCCTCGTGGAGG
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 CGAAAGCCTCTCCATAAGGCTGGTGGGGGCGAGGAGACGCCGCTGGTCCACATCATCCAGCATATT
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 TGGACATCAGCAATGTCCCTCATAACTATGCCGTGCGGCTCCTGCGGCAGCCCTGCCAGGTGCTGCGGCT
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 GGGTGGATGAGCCCGGCTGTTTCATCTCAACGTGCTAAATGGGGTGTGCGCGACCGACACGGCCAGCT
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 ATGACCGTGGAGGGGAGCATCCACAGGGAATGGGACTTGCCATCTATGTCATCAGTGTGAACCCG
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 GATGCTCAAGGAACCTAAAGGGAGAATTACTCTGACCATTGCTTCTGGCCTGGTACTTTTTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence:

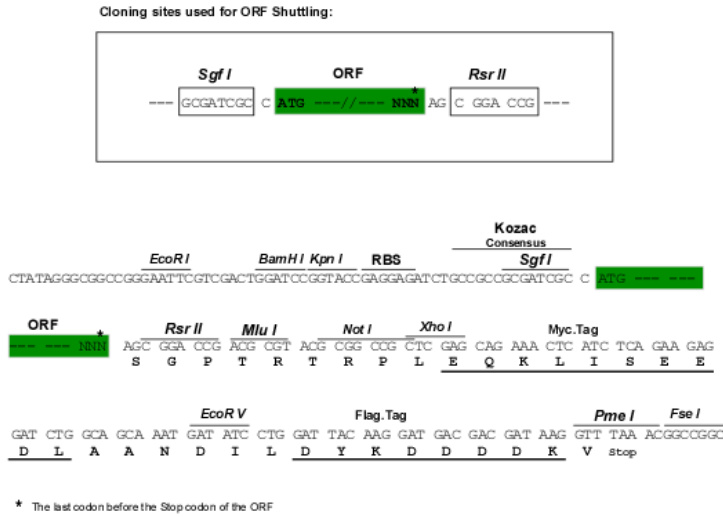
>MR217650 representing NM_001159578
 Red=Cloning site Green=Tags(s)

MKALLLLVLPWLSANYIDNVGNLHFLYSELCKGASHYGLTKDRKRSQDGPDPGCASLMATTLSPVEVA
 AATISLMTDEPGLDNPAYVSSVEDGEPVANSSDSGRSNRTRARPFERSTMRSRSFKKINRAL SALRRTKS
 GSVVANHVDQGRDNSENTTVPEVFPRLFHLIPDGEITSIKINRADPSELSIRLVGGSETPLVHIIQHI
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 HLIQASERRVHLVVSQRVQSSPDIFQEAGWISNGQQSPGGERNTASKPAATCHEKVVSVMKDPSESLG
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 LEVKEQEAQEDCSPAALDSNHNVTPPGDWSPSWMWLELPQYLCNCKDVILRRNTAGSLGFCIVGGYEEY
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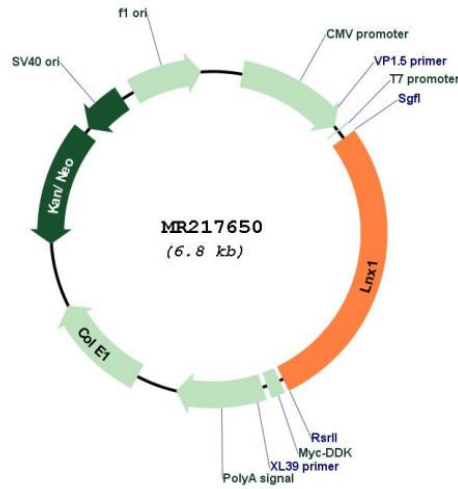
SGP**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001159578

ORF Size: 1884 bp

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| 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 Size: | 3098 bp |
| RefSeq ORF: | 1710 bp |
| Locus ID: | 16924 |
| UniProt ID: | O70263 |
| Cytogenetics: | 5 C3.3 |
| MW: | 62.7 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] |