

Product datasheet for **MG217668**

Lnx1 (NM_001159580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lnx1 (NM_001159580) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lnx1
Synonyms:	Lnx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217668 representing NM_001159580
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCGCTGCTGCTTCTGGTCTGCCCTGGCTGAGTCCAGCTAACTACATTGACAATGTGGCAACC
 TGCACTTCTGTACTCGAACTCTGCAAAGGGCCTCCCACTATGGCCTGACCAAGGACAGGAAAAGGCG
 CTCTCAAGATGGCTGTCCTGATGGTTGCCCCAGCCTCATGGCAACGACGCTCTCCCCAGAGGTTTCTGCA
 GCCGCCACCATCTCTTTAATGACAGATGAGCCTGGCTAGACAACCCCTGCCTACGTGTCTCGTGGAGG
 ATGGTGAGCCAGTAGCCAACCTCAGACTCTGGCCGGAGCAACCGGACTAGGGCACGGCCCTTTGAGCG
 CTCCTACTATGAGAAGCCGGTCTTTCAAGAAGATCAACCGAGCTCTAAGTGTCTCCGGAGGACGAAGAGC
 GGGAGTGTGTTGCCAACATGTTGACCAGGGCAGGACAACCTCTGAGAACCACTGTCCCGAAGATG
 GTGAAATTACAAGCATAAAATCAACAGAGCGGATCCCAGCGAAAGCCTCTCCATAAGGCTGGTGGGGG
 CAGCGAGACGCCGCTGGTCCACATCATCCAGCATATTTATCGCGATGGAGTGATTGCCAGAGATGGA
 CGGCTGTGCCAGGAGACATCATTCTCAAGGTCAACGGCATGGACATCAGCAATGTCCCTATAACTATG
 CCGTGGCGCTCCTGCGGAGCCCTGCCAGTGTGCGGCTAACGGTGTGCGGGAGCAGAAGTCCGTAG
 CAGAAGCAATGCGCACGTGCCGGACTCCTATGGACCTCGGGATGACAGCTTCCATGTAATCCTCAACAAA
 AGCAGCCCCGAGGAGCAGCTTGGCATAAAGCTGGTGGCCGGGTGGATGAGCCCGCGGTGTTTCATTTCA
 ACGTGTAAATGGGGTGTGCGGACCGACACGGCCAGCTGGAGGAGAATGACCGTGTGCTGGCCATCAA
 CGGGCATGACCTTCGATTTGGCAGTCCAGAGAGTGCAGCTCATCTGATTACAGCCAGTGAAGACCGCTC
 CATCTCGTGTGTCGCCAGGTTGACAGTCCAGCCAGACATCTTTCAAGAAGCTGGTGGATCAGAA
 ATGGCCAGCAATCCCAGGCCAGGAGAGAGAAACACAGCTTCTAAGCCTGCAGCCACCTGTCATGAGAA
 GGTTGTAAGTGTCTGGAAGACCCAGCGAGTCTCTCGGCATGACCGTCCGAGGGGAGCATCCCACAGG
 GAATGGGACTTGCCCATCTATGTCATCAGTGTGAACCCGGCGGAGTCATAAGCAGAGACGGGAGATAA
 AAACAGGTGACATTTTATTGAATGTGAATGGGATTGAGCTCACAGAGGTGAGCCGACAGAGGCCGTTGC
 CATACTGAAGAGCGCACCCCTCCTCAGTGGTACTCAAAGCCTTGAAGTCAAGGAACAGGAGGCCAGGAA
 GACTGCAGCCAGCAGCCCTGGACTCCAACCACAACGTGACCCCGCTGGTACTGGTCCCATCCTGGG
 TCATGTGGCTGGAATTACCACAGTACTTATGTAAGTGTAAAGATGTGATACTGCGAAGGAACACAGCTGG
 AAGCCTGGGCTTCTGCATTTGTTGGGAGTTATGAAGAATACAGTGGGAACAAACCTTTTTTTATCAAGTCC
 ATTTGTTGAAGGAACACCTGCATACAATGACGGAAGAATCAGATGTGGTGACATTTCTCTCGTGTCAACG
 GTAGAAGTACATCGGGTATGATACACGCTTGCCTGGCCAGGATGTCAAGGAACCTAAAGGGAGAATTAC
 TCTGACCATTGCTTCTGGCCTGGTACTTTTTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217668 representing NM_001159580
 Red=Cloning site Green=Tags(s)

MKALLLLVLPWLSpanyIDNVGNLHFLYSELCKGASHYGLTKDRKRRSQDGPDPGCASLMATTLSPVEVSA
 AATISLMTDEPGLDNPAYVSSVEDGEPVANSSDGRSNRTRARPFERSTMRSRFVKINRALSALRRTKS
 GSVVANHVQGRDNSENTTVPEDGEITSIKINRADPSELSIRLVGGSETPLVHIIQHIYRDGVIARDG
 RLLPGDIILKVNMDISNVPHNYAVRLLRQPCQVLRRLTVLREQKFRSRNAHVDPDSYGRDSSFHVLNK
 SSPEEQLGIKLVRRVDEPGVIFNVNLGGVADRHGQLEENDRVLAINGHDLRFSGPESAAHLIQASERRV
 HLVVSRQVRQSSPDIHQEAGWISNGQQSPGGERNTASKPAATCHEKVVSVMKDPSESLGMTVGGGASHR
 EWDLPYIYVIVPEPGVISRDRIKTGDILLNVNGIELTEVSRTEAVAILKSAPSSVVLKALEVKEQEAQE
 DCSPAALDSNHNVTPPGDWSPWVWLELPQYLCNCKDVLRRNTAGSLGFCIVGGYEEYSGNKPFPIKS
 IVEGTPAYNDGRIRCGDILLAVNGRSTSGMIHACLAARMLKELKGRITLTIASWPGTFL

SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:


ACCN: NM_001159580

ORF Size: 1854 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_001159580.1](#), [NP_001153052.1](#)
RefSeq Size: 2317 bp

RefSeq ORF: 1857 bp

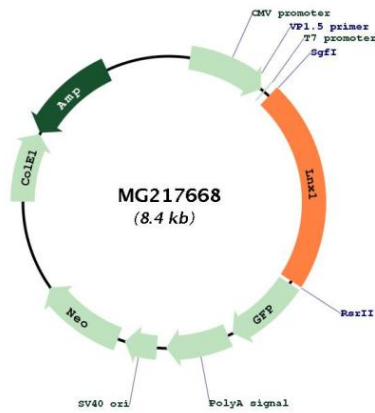
Locus ID: 16924

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]

Product images:



Circular map for MG217668