

Product datasheet for **MC202498**

Lingo1 (NM_181074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lingo1 (NM_181074) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lingo1
Synonyms:	4930471K13Rik; AV148400; LERN1; LINGO-1; Lrrn6a; UNQ201
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC052384 sequence for NM_181074
TGAGTCTGTGGGCTGCAAACTCTCAGGGCTCTGACCGTCCAGGCCTGACCAGTCTTGAGCGGATTCTT
GCCCCACCTGGTTACAGAATCTCCTTGTGCTTCAGGATTCGGTCAAGCATTGGACCAATCACGTGCATG
CTGAGACTGAGCCCCGAAGGCTGCTGTGCTCCTCAGGCCTTTGGCAGCCCCCTGCTTGGCTCCCTGTGCC
ATCTGACCCAGGAGTCACGTGAGCCTCCCTCTGGGATCTGGCATGAAGGAGAAATGGATTCTGGCTTTCC
CGCTCTGGCTTTCCCTGACTTCTCCAGAATCTAAGAAGTGTCTGAGGCATCTCTTGTCTACCTCAGCC
CAGAATCCCTGAGGATCCATCCAGAAATCCAACGACTTCAAGACCTAAAAACATCAGGCCCTCTCCCTG
GACACAGACTTGACAGAAGTGGCCAGTTTCATCAGGTGAGCGAGAGGATGCTGGCAGGGGGTATGAGAAGC
ATGCCCCAGCCCCCTCTGGCCTGCTGGCAGCCATCCTCCTGCTGGTACTGGGCTCAGTGTGTCAGGCT
CTGCTACAGGCTGCCCGCCCGCTGCGAGTGTCTCAGCGCAGGACCGAGCCGTGCTCTGCCACCGCAAACG
CTTTGTGGCGGTGCCGAGGGCATCCCCACCGAGACTCGCTGCTGGACCTGGGCAAAAACCGCATCAAG
ACACTCAACCAGGACGAGTTTGGCAGCTTCCCACACCTGGAGGAGCTAGAACTCAATGAAAAACATCGTGA
GCGCCGTGGAGCCAGGCGCCTTCAACAACCTCTTCAACCTGAGGACTCTGGGGCTGCGCAGCAACCGCT
GAAGCTTATCCCCTGGGCGTCTTACCAGGCTCAGCAACTTGACCAAGCTGGACATCAGTGAGAACAAG
ATCGTCATCCTGTAGACTACATGTTCCAAGACCTATACAACCTCAAGTCGCTGGAGGTCGGCGACAACG
ACCTCGTCTACATCTCCATCGAGCCTTACAGCGCCTCAACAGCCTGGAACAGCTGACGCTGGAGAATG
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CTCAACATCAATGCCATCAGGGACTACTCTTCAAGAGGCTGTACCGACTTAAGGTCTTAGAGATCTCCC
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GCACTGCAACCTGACAGCCGTGCCCTATCTGGCAGTGCCTCACCTGGTCTATCTCCGTTTCTCAACCTT
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TGTCTCTGGCAACCAGCTGACCACCTGGAGGAGTCAGCCTTCCATTTCGTGGGCAACCTGGAGACGCTC
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ACTTCAACAGGCAGCAGCCACCTGCGCCACACCTGAGTTCGTCAGGGCAAAGATTCAAGGACTTTCC
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TTTGTAGATGAGGGCCACACGGTGCAGTTTGTATGCCGGGAGATGGCGACCCTCCACCAGCTATCCTTT
GGCTCTCACCCCGCAAGCACTTGGTCTCGGCCAAGAGCAATGGGCGGCTCACAGTCTTCCCTGATGGCAC
GCTGGAGGTGCGTACGCCAGGTACAGGACAACGGCACGTACCTGTGCATCGCAGCCAATGCTGGCGGC
AACGACTCCATGCCCGCCACTTGCATGTGCGCAGCTACTGCGCTGACTGGCCCCATCAACCAACAAGA
CCTTCGCCTTTCATCTCAACCAGCCAGGCGAGGGAGAGGCAACAGCACCCGCGCCACTGTGCCTTTCC
CTTCGACATCAAGACGCTCATTATCGCCACCACATGGGCTTCATCTCCTTCTGGGCGTTGTCCTATTC
TGCTTGGTGTGCTGTTTCTATGGAGCCGGGGCAAAGGCAACACAAGCAACATCGAAATTGAGTATG
TGCCCCGGAAATCGGACGCAGGCATCAGCTCAGCTGATGCACCCCGCAAGTTCAACATGAAGATGATATG
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GCTGCTGCCTTCCCACCTCCTCCTGCCCTCCTCACACTCTCCCCCTCCCACACTCGCTCGCCCTC
ACCGCTGCCCTCCTTCTACCAGATTTTCAAGGCCAGGCTGAGGACCCACCTGCACAGGGGCCAGA
GTTGACAAAGCCGACGAACCAACACGGCGCAGAGTCAATAATTCAATTAATAAAAAAAAAAGTTACAACTTCC
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TTCTATAGCTAGTCGGAATGCAAACTTTTACGTCCTGATGGCTCCAGGGCCTTCTTCAACTCAGTTT
CTTGTTTTTCTTCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTC
GGAAAACAGGGAAGGAGATTCCAGCCCCACCCTCTGGCCACTCTGCTGGGCGCCATTTGGAGCCATGGG
TGCCAGCTCAGCTCCAGGCCAGCTCCAGCTGTTTTTTTGGCAGGAAGTAGGGGAGGGATAGGACTGCC
CAGGGGGGATGGGTTTGTCTGCTGGATGTCAGGCAGCACTACCAAGGAGAGGTGGGGGTGAGGCTCGGG
TGTGGCTGAACTGGGATGGGCTGGGTCCTCCTGGGAAACAGCACGGTCAGTGGAAAGAGTCAGGAGCC
AGAGGCAGGCCGATTCTCCTCCTGCTGCCAGCTCTGCTGCTCACTGTTGTGTGACCTCCTTGCAGGTC
GCTGGCCCTCTTGGGCTCAGTCTCCACATCTGTACAAATGGGAACATTTATCCCTGCCCTGCCTACCT
CACAGGGCTGTTGTGAGGAACTGATGAGATGATGATGTGAAACACTTTGTAATCTGTAAGCGCTGTG
ACATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

Ascl-NotI

ACCN:	NM_181074
Insert Size:	1845 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC052384 , AAH52384
RefSeq Size:	3321 bp
RefSeq ORF:	1845 bp
Locus ID:	235402
UniProt ID:	Q9D1T0
Cytogenetics:	9 B
Gene Summary:	<p>Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. Is also an important negative regulator of oligodentocyte differentiation and axonal myelination (By similarity). Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.[UniProtKB/Swiss-Prot Function]</p>