

Product datasheet for **MR217318**

Lingo2 (NM_001166000) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lingo2 (NM_001166000) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lingo2
Synonyms:	B230217C06Rik; Lern3; Lrrn6c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217318 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCACACGGCTATACCATGCTGGCAGCCATTCTGGGTCTGGCTGTGGTGTACTCTTAATGGGAT
 CCACCATTGGCTGCTCCTGCTCGCTGTGAGTGCTCCGCCAGAACAATCTGTTAGCTGCCACAGAAGACG
 ATTGCTCGCGATCCCAGAAGGCATTCCATTGAGACCAAATCTTGGACCTGAGCAAAAATCGACTAAAG
 AGCATAAACCTGAAGAGTTCATCTCATCTCTGTTGGAGGAGATAGACTTGAGCGACAACATTATTG
 CCAATGTGGAGCCTGGGGCATTAAACAATCTTTAACCTGCGTTCCTCCGCCTAAAAGGCAATCGCCT
 TAAGTTGGTCCCTTAGGAGTATCACAGGACTGTCCAACCTCACCAAGCTTGACATTAGTGAGAATAAG
 ATTGTCATTTTGTGGACTACATGTTCCAGGATCTGCATAACCTGAAGTCTCTAGAAGTGGGGGACAATG
 ATTTAGTGTATATCTCACACAGGGCCTCAGCGGACTACTTAGCTGGAGCAGCTCACCTGGAGAAGTG
 CAACTTGACAGCAGTACCAACAGAAGCCCTTTCCCATCTCCGAGCCTCATCGCCCTGCATCTGAAGCAT
 CTCAATATCAACAATATGCCTGTGTATGCCTTTAAAAGATTGTTCCACCTGAAAAACCTAGAGATCGACT
 ATTTGGCCTTTGTTGGATTGATGCCAGCCAACAGCCTCTATGGTCTCAACCTCACGTCCCTTTCAATCAC
 CAACACCAACCTGTCCACTGTCCCTTCTCGCCTTTAAACACCTTGATACCTGACCCACCTTAACCTC
 TCCTACAATCCCATCAGCACTATTGAAGCTGGCATGTTCTCTGACCTGATCCGCCTACAGGAGCTCATA
 TAGTGGGGGCCAGCTCCGCACTATTGAGCCTCACTCCTTCCAAGGGCTCCGCTTCTCCGTGTGCTCAA
 TGTATCTCAGAACCTGCTGGAACATTGGAAGAGAAGCTTTCTCCTCCCTAGGGCTTTGGAGGTCCTG
 AGCATTAAACAACAACCCACTAGCCTGTGACTGCCGACTCCTCTGGCTCCTGCAGCGACAACCCAACCTGC
 AGTTTGGGGGCCAGCAGCCCATGTGTGCTGGGCCAGACACCATCCGTGAGAGATCATTTAAGGATTTCCA
 TAGCACTGCTCTTTCTTTTATTTTACCTGCAAAAAACCCAAAATCCGTGAAAAGAAGTTACAGCATCTC
 CTCGTGGATGAAGGGCAAACGGTCCAGCTGGAGTGCAACGCTGATGGAGACCCGAGCCCGTGATTTCT
 GGGTGACACCTCGAAGGCGTTTTATCACACCAAGTCCAACGGAAGGGCCACTGTGTTGGGTGATGGCAC
 CTTGGAAATCCGTTTGGCCAGGATCAAGACAGTGGGATGATGTTTGCATCGCGAGCAACGCTGCTGGG
 AACGATACCTTACAGCATCTCTACTGTGAAGGGATTACGTCAGACCGCTTCTTTACGCAAACAGGA
 CCCCTATGTACATGACTGACTCCAACGACACCGTTTCCAACGGCACTAATGCCAATACTTTCTCCCTGGA
 CCTTAAAAAATACTGGTATCTACAGCCATGGGCTGTTTACATTCTGGGAGTGGTTTTATTTGTTTT
 CTCCTTCTTTTGTGTGGAGCCGAGGAAAGGCAAGCACAAAAACAGATTGACCTTGAGTATGTGCCCC
 GAAAAACAATGGTGCTGTTGTGGAAGGGGAGGTGGCTGGCCCCAGGAGTTCAACATGAAATGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217318 protein sequence
 Red=Cloning site Green=Tags(s)

MLHTAIPCWQPFLLGLAVVLLMGSTIGPCARCECSAQNKSVSCHRRRLLAIPGPIETKILDLSKNRLK
 SINPEEFISYPLLEEIDLSNIIANVEPGAFNNLFNLRSLRLKGNRLKLVPLGVFTGLSNLTKLDISENK
 IVILLDYMFDLHNLKSLEVDNDLVYISHRAFSGLLSLEQLTLEKCNLTAVPTEALSHLRSLIALHLKH
 LNINMPVYAFKRLFHLKNLEIDYWPLDLMPANSLYGLNLTSLITNTNLSTVPFLAFKHLVYLTHLNL
 SYNPISTIEAGMFDLIRLQELHIVGAQLRTIEPHSFQGLRFLRVLNVSQNLLTLEENVFSSPRALEVL
 SINNNPLACDCRLLWLLQRPNLQFGGQPPMCAGPDTIRERSFKDFHSTALSFYFTCKKPKIREKKLQHL
 LVDEGQTVQLECNADGDPQPVISWVTPRRRFITTKSNGRATVLDGDTLEIRFAQDQDSGMYVCIASNAAG
 NDFTTASLTVKGFTSDRFLYANRTPMYMTSDNDSVSNGTNANTFSLDLKTIILVSTAMGCFTFLGVVLF
 LLLFVWSRGKGGKHKNSIDLEYVPRKNGAVVEGEVAGPRRFNMKMI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001166000

ORF Size: 1818 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_001166000.1](#), [NP_001159472.1](#)

RefSeq Size: 4101 bp

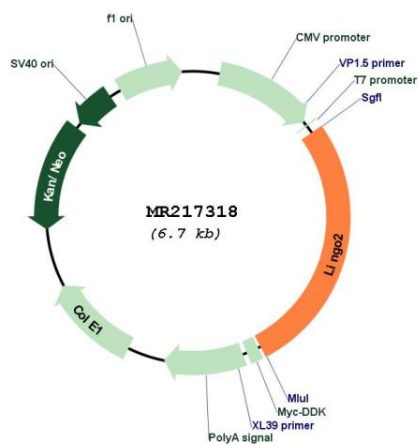
RefSeq ORF: 1821 bp

Locus ID: 242384

UniProt ID: [Q3URE9](#)

Cytogenetics: 4 A5
 MW: 68.1 kDa

Product images:



Circular map for MR217318