

Product datasheet for **MG215748**

Lingo2 (NM_001165999) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Lingo2
Synonyms:	B230217C06Rik; Lern3; Lrrn6c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215748 representing NM_001165999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTACACACGGCTATACCATGCTGGCAGCCATTCTGGGTCTGGCTGTGGTGTACTCTTAATGGGAT
 CCACCATTTGGCTGTCTGCTGCTGTGAGTGCTCCGCCAGAACAAATCTGTTAGCTGCCACAGAAGACG
 ATTGCTCGCGATCCAGAAAGGCATTCCCATTGAGACAAAAATCTTGGACCTGAGCAAAAAATCGACTAAAG
 AGCATAAACCTGAAGAGTTTCATCTCATATCTCTGTTGGAGGAGATAGACTTGGCAGCAACATTATTG
 CCAATGTGGAGCCTGGGGCATTTAAACAATCTTTAACCTGCGTTCCCTCCGCTAAAAGGCAATCGCT
 TAAGTTGGTCCCTTTAGGAGTATTCACAGGACTGTCCAACCTCACCAAGCTTGACATTAGTGAGAATAAG
 ATTGTCATTTTGTGGACTACATGTTCCAGGATCTGCATAACCTGAAGTCTCTAGAAGTGGGGGACAATG
 ATTTAGTGTATATCTCACAGGGCCTTCAGCGGACTACTTAGCTTGGAGCAGCTCACCTGGAGAAGTG
 CAACTTGACAGCAGTACCAACAGAAGCCCTTCCCATCTCCGACGCTCATCGCCCTGCATCTGAAGCAT
 CTCAATATCAACAATATGCCTGTGTATGCCTTTAAAAGATTGTTCCACCTGAAAAACCTAGAGATCGACT
 ATTTGGCCTTTGTTGGATTTGATGCCAGCCAACAGCCTCTATGGTCTCAACCTCACGTCCTTTCAATCAC
 CAACACCACTGTCCACTGTCCCCTTCTCGCCTTTAAACACCTTGTATACCTGACCCACCTTAACCTC
 TCCTACAATCCCATCAGCACTATTGAAGCTGGCATGTTCTCTGACCTGATCCGCCTACAGGAGCTTCATA
 TAGTGGGGGCCAGCTCCGCACTATTGAGCCTCACTCCTTCCAAGGGCTCCGCTTCTCCGTGTGCTCAA
 TGTATCTCAGAACCTGCTGGAACATTGGAAGAGAAGCTTCTCTCCCTAGGGCTTTGGAGGTCCTG
 AGCATTAAACAACCCACTAGCCTGTGACTGCCGACTCCTCTGGCTCTGCAGCGACAACCCACCTGC
 AGTTTTGGGGCCAGCAGCCATGTGTGCTGGCCAGACACCATCCGTGAGAGATCATTTAAGGATTTCCA
 TAGCACTGCTCTTTCTTTTATTTTACCTGCAAAAAACCCAAAATCCGTGAAAAAGAAGTTACAGCATCTC
 CTCGTGGATGAAGGGCAAACGGTCCAGCTGGAGTGCAACGCTGATGGAGACCCGACGCCGTTGATTTCT
 GGGTGACACCTCGAAGGCGTTTTATCACCACCAAGTCCAACGGAAGGGCCACTGTGTTGGGTGATGGCAC
 CTTGGAATCCGTTTTGCCAGGATCAAGACAGTGGGATGTATGTTGCATCGCGAGCAACGCTGCTGGG
 AACGATACCTTACAGCATCTCTCACTGTGAAGGGATTACAGTCAAGCCCTTCTTTACGCAAAACAGGA
 CCCCTATGTACATGACTGACTCCAACGACACCGTTTCCAACGGCACTAATGCCAATACTTTCTCCCTGGA
 CCTTAAACAATACTGGTATCTACAGCCATGGGCTGTTTACATTCTGGGAGTGGTTTTATTTGTTTT
 CTCTTCTTTTGTGTGGAGCCGAGGAAAGGCAAGCACAAAACAGCATTGACCTTGAGTATGTGCCCC
 GAAAAACAATGGTGCTGTTGTGGAAGGGAGGTGGCTGGCCCCAGGAGTTCAACATGAAAATGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215748 representing NM_001165999
 Red=Cloning site Green=Tags(s)

MLHTAIPCWQPFLLGLAVVLLMGSTIGCPARCECSAQNKSVSCHRRRLLA�PEGIPIETKILDLSKNRLK
 SINPEEFISYPLLEEIDLSNIIANVEPGAFNNLFNLRSLRKLGNRLKLVPLGVFTGLSNLTKLDISENK
 IVILLDYMFDLHNLKSLEVGDNLDVYISHRAFSGLLSLEQLTLEKCNLTAVPTEALSHLRSLIALHLKH
 LNINMPVYAFKRLFHLKNLEIDYWPLLDMPANSLYGLNLTSLITNTNLSTVPFLAFKHLVYLTHLNL
 SYNPISTIEAGMFSDLIRLQELHIVGAQLRTIEPHSFQGLRFLRVLNVSQNLLETLEENVFSSPRALEVL
 SINNNPLACDCRLLWLLQRQPNLQFGGQPPMCAGPDTIRERSFKDFHSTALSFYFTCKPKIREKKLQHL
 LVDEGQTVQLECNADGDPQPVISWVTPRRRFITTKSNGRATVLGDGTLEIRFAQDQDSGMYVCIASNAAG
 NDTFTASLTVKGFSDRFLYANRTPMYMTDSNDTVSNGTNANTFSLDLKILVSTAMGCFTFLGVVLFCE
 LLLFVWSRGKGGKHKNSIDLEYVPRKNNGAVVEGEVAGPRRFNMKMI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001165999

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).

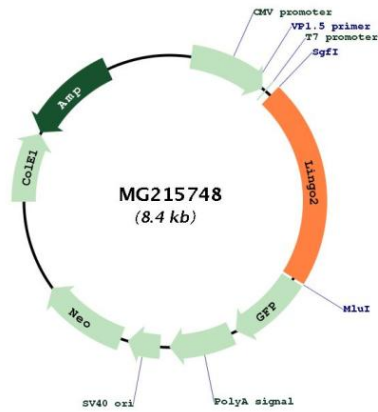
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001165999.1](#), [NP_001159471.1](#)

RefSeq Size:	4642 bp
RefSeq ORF:	1821 bp
Locus ID:	242384
UniProt ID:	Q3URE9
Cytogenetics:	4 A5

Product images:

Circular map for MG215748