

Product datasheet for **MR209426**

Lingo1 (NM_181074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lingo1 (NM_181074) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lingo1
Synonyms:	4930471K13Rik; AV148400; LERN1; LINGO-1; Lrrn6a; UNQ201
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209426 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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 CAAGTTCAACATGAAGATGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209426 protein sequence
 Red=Cloning site Green=Tags(s)

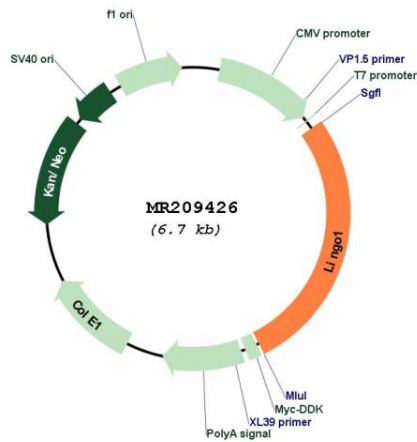
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 LIVLRLRHLNINAIIRDYSFKRLYRLKVLEISHWPYLDTMTPNCLYGLNLTSLSITHCNLTAVPYLAVRHL
 VYLRFLNLSYNPIGTIEGSMHELLRLQEIQLVGGQLAVVEPYAFRGLNYLRVLNVSGNQLTTLEESAFH
 SVGNLETLILDSNPLACDCRLLWVFRRRWRLNFRQPTCATPEFVQGFKDFPDVLLPNYFTCRRRAHI
 RDRKAQQVFVDEGHTVQFVCRADGPPPAIWLSPRKHLVSAKSNRGLTVFPDGTLEVRYAQVQDNGTYL
 CIAANAGGNDMPAHLHVSYSYSPDWPHPNKTFAFISNQPGEANSTRATVPPFPDIKTLIIATTMGFI
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

RefSeq: [NM_181074.5](#)
RefSeq Size: 3321 bp
RefSeq ORF: 1845 bp
Locus ID: 235402
UniProt ID: [Q9D1T0](#)
Cytogenetics: 9 B
MW: 69.1 kDa

Gene Summary: 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]

Product images:



Circular map for MR209426