

Product datasheet for **RC225998**

LINGO3 (NM_001101391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LINGO3
Synonyms:	LERN2; LRRN6B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225998 representing NM_001101391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCTGCTGGCTGTGCTGCTCTGAGCTGCCCCCTGCTCTGCTGCCGCGCGCGCCGCCCGCTGGAG
GCTGCCCGGCCCGCTGCGAGTGCACCGTGCAGACCCGCGCGGTGGCTGCACGCGCCGCGCCTGACCGC
CGTGCCCGACGGCATCCGGCCGAGACCCGCTGCTGGAGCTCAGCCGCAACCGCATCCGCTGCCTGAAC
CCGGGCGACCTGGCCGCGCTGCCGCGCTGGAGGAGCTGGACCTGAGCGAGAACGCCATCGCGCAGCTGG
AGCCCGGCGCCTTCGCCAACCTGCCGCGCCTGCGCGTCTCTGCTCTCGTGGCAACCAAGCTGAAGCTCA
CCCGCCCGGGGTCTTACGCGCCTGGACAACCTCACGCTGCTGGACCTGAGCGAGAACAAAGCTGGTAATC
CTGCTGGACTACACTTTCAGGACCTGCACAGCTGCGCTGCGCCGGCTGGAAGTGGCGCACAACGACCTGGTAT
TCGCTTCGCGCGCGCCTTCGCGGGGTGAGTGGCCCTGGAGAGCTGACCTGGAGCGCTGCAACCTCATC
GGCTCTGTCCGGGAGTCGTCTGGGCATCTGCGCAGCTGGCGCCCTGCGGCTGCGCCACTTGGCCATC
GCCTCCCTGGAGACCAGAACTTCGCGAGGCTGCCCGGGCTGCTGCACCTGGAGATTGACAACTGGCCGC
TGCTGGAGGAGGTGGCGCGGGCAGCCTGCGGGGCTGAACCTGACCTCGTGTGGTCACCACACCAA
CATCACCGCCGTGCCGGCCGCCGCGCTGCGGCACCAAGCGCACCTCACCTGCCTCAATCTGTCGCAAC
CCCATCAGCAGGTGCCGCGGGGGTCTTCGGGACCTTGGTCCGCTGCGCGAGCTGCACCTGCCCGGGG
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GCGCGCTGCGGCCCTGCGCCACCCGCGCGAGGTGCGCGCGACGCGCTGCGAAACCTGCCGCACTCGT
GCTGTTGAGTACTTCTGTGTGCCGAAACCAAGATCCGGGAGCGCGGCTGACGCGCTCACGGCCACC
GCGGGCGAAGACGTCCGCTTCTCTGCCGCGCGAGGGCGAGCGCGGCCACCGTGGCTGGGTGACCC
CCCAGCACCGCCCGTGACGGCCACAGCGCGGGCCGGGCGCGTGTCTCCCGGGGGGACGCTGGAGAT
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TACTTCGCCACGCTGACCGTGTGCGCCCCGAGCCGGCCGCAACCGGACCCCGGCGAGGCCCAACAGAGA
CGCTGGCGGCCCTGCGCGCGCGCTCGACCTACCAACCATCTGGTGTCCACCGCCATGGGCTGCATCAC
CTTCTGGGCTGGTCTCTTCTGCTTCTGTGCTGCTGTTCTGTGTGGAGCCGCGGCGCGGCAGCACAAA
AACAACTTCTCGTGGAGTACATCTTCCGAAGGTGGATGGGCGGCGCCGCGCGGGCCAGGAGGCG
CGCGCAAGTTCAACATGAGTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225998 representing NM_001101391
Red=Cloning site Green=Tags(s)

MTCWLCVLSPLLLLLPAAPPPAGGCPARCECTVQTRAVACTRRRLTAVPDGIPAETRLLELSRNRIRCLN
 PGDLAALPALEELDLSENAIHAVPEGAFANLPLRVRLRLGNQKLIPPGVFTRLDNLTLDDSENKLV
 LLDYTFQDLHSLRRLEVGDNDLVFVSRRAFAGLLALEELTLERCNLTALSGESLGHRLSGLALRLHLAI
 ASLEDQNFRRLLPGLHLLEIDNWPLLEEVAAGSLRGLNLTSLSVTHNTITAVPAAALRHQAHLTCLNLSHN
 PISTVPRGSFRDLVRLRELHLAGALLAVVEPQAFGLGRQIRLLNLSNNLLSTLEESTFHSVNTLETLRVD
 GNPLACDCRLLWI VQRRKTLNFDGRLPACATPAEVRGDALRNLPSVLF EYFVCRPKPIRERRLQRVTAT
 AGEDVRF LCRAGEEAPPTVAWVTPQHRPV TATSAGRARVLPGGTLEIQDARPDQSGTYTCVASNAGGNDT
 YFATLTVRPEAANRTPTEGAHNTEALRAPLDLTLLVSTAMGCITFLGVVLCFVLLFWWSRGRGQHK
 NNFVSEYFSFRKVDGPPAAAAGGOGARKENMMKI

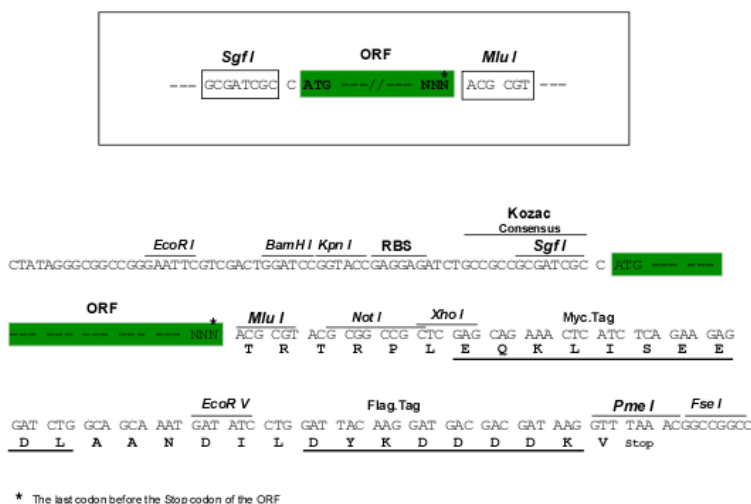
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8005_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM 001101391

ORF Size: 1776 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:

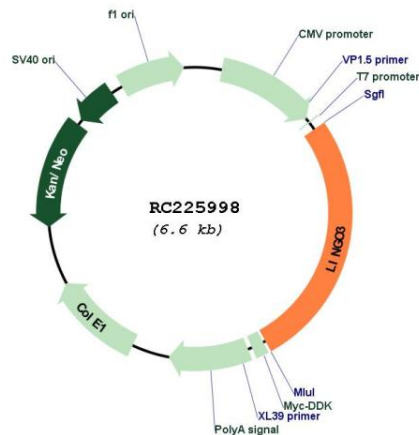
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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 0.22µm filter is required.

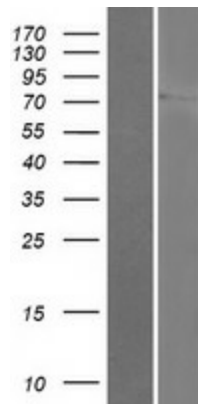
RefSeq: [NM_001101391.2](#)

RefSeq ORF: 1779 bp
 Locus ID: 645191
 UniProt ID: [P0C6S8](#)
 Cytogenetics: 19p13.3
 Protein Families: Transmembrane
 MW: 64.7 kDa

Product images:



Circular map for RC225998



Western blot validation of overexpression lysate (Cat# [LY426153]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225998 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).