

### Specifications:

Gene:	<i>hLINGO3</i>
Accession:	NP_001094861
Insert size:	1792bp
Concentration:	10µg at 0.2µg/µL

## hLINGO-3 cDNA Plasmid

LINGO3 leucine rich repeat and Ig domain containing 3 [ *Homo sapiens* (human) ]

Also known as: LERN2; LRRN6B

### Summary:

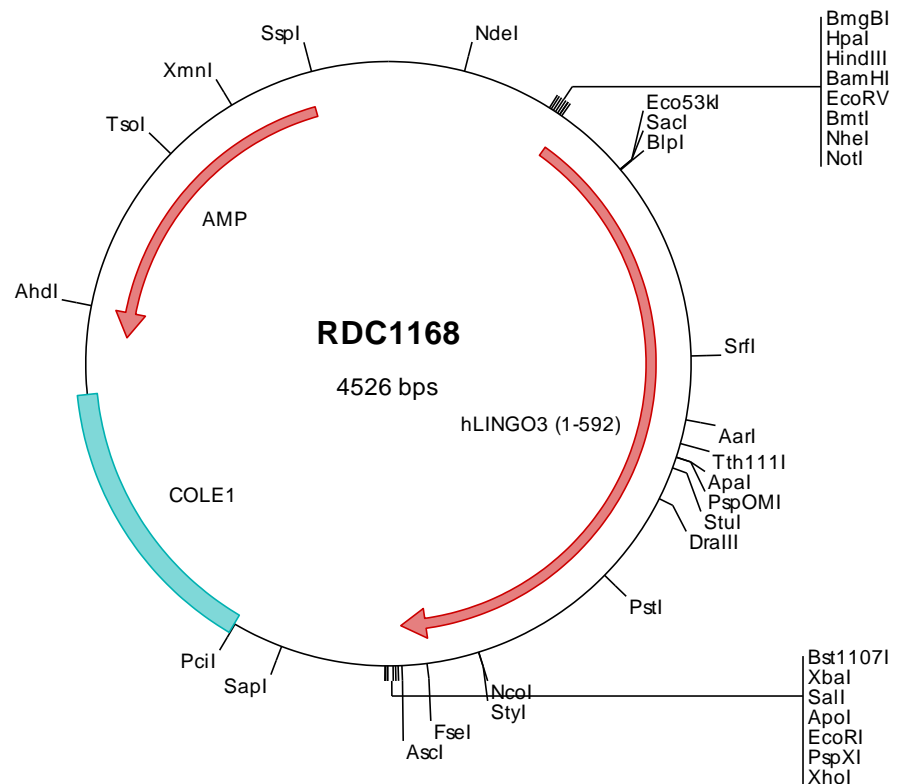
LINGO3, a member of the leucine-rich repeat protein family, is a type 1 transmembrane protein containing a signal peptide, 12 extracellular leucine rich repeats, an immunoglobulin C2 domain, and a short intracellular tail. Expression of all LINGO genes increases as the embryo develops but is low in the adult with only LINGO1 and LINGO2 being detectable in adult brain.

### Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

### Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1168 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgcacc atgacctgct ggtgtgctgt cctgagcctg cccctgtctc tctgtcccgc
501 ggccgcggcc ccgctgggag getgcccggc ccgctgagag tgcacctgct agaccggcg ggtggcctgc acgcccggcc gctgacgcgc cgtgcccagc
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701 acctgagcga gaacggccatc gcgcaacgtgg agcccggcgcc cttgcgcaac ctgcccgcgc tgcgctctct gcgtctccgt gcaaacaccg tgaagctcat
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4501 taggcgtatc acgagccct ttgctc

> RDC1168 Translated Insert Sequence

1 mtcwlcvlsl pllllpaapp paggparce ctvqtravc trrrltavpd gipaetrllc lsrnrircln pgdlaalpal eeldlisenai ahvepgafan
101 lprlrvlrlr gnqlklippg vfrldnltl ldlsenklvi lldytfgdh slrlevgdn dlvfvsrraf agllaleelt lercnltals geslghrlsl
201 galrlrhla asledqfrr lpgllhleid nwplleevaa gslrglnlts lsvthtnita vpaaalrhqa hltclnlshn pistvprgsf rdrlvrlrelh
301 lagallavve pqafglgrqi rllnlnsnll stleestfhs vntletlrvd gnplacdrcl lwivqrkrl nfdgrlpaca tpaevrgdal rnlpdsvlfe
401 yfvcrkpkir errlqrvtat agedvrfrcr aegepaptva wvtpqhrpvt atsagrarvl pggtleiqda rpqdsqtytc vasnaggndt yfatltvrpe
501 paanrtppgea hnetlaalra pldltilvls tamgctiflg vvlfcvllf vwsgrgqhk nnsveysfr kvdgpaaaa gggarkfnmk mi