

Specifications:

Gene:	<i>hLINGO2</i>
Accession:	NP_689783
Insert size:	1833bp
Concentration:	10µg at 0.2µg/µL

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.

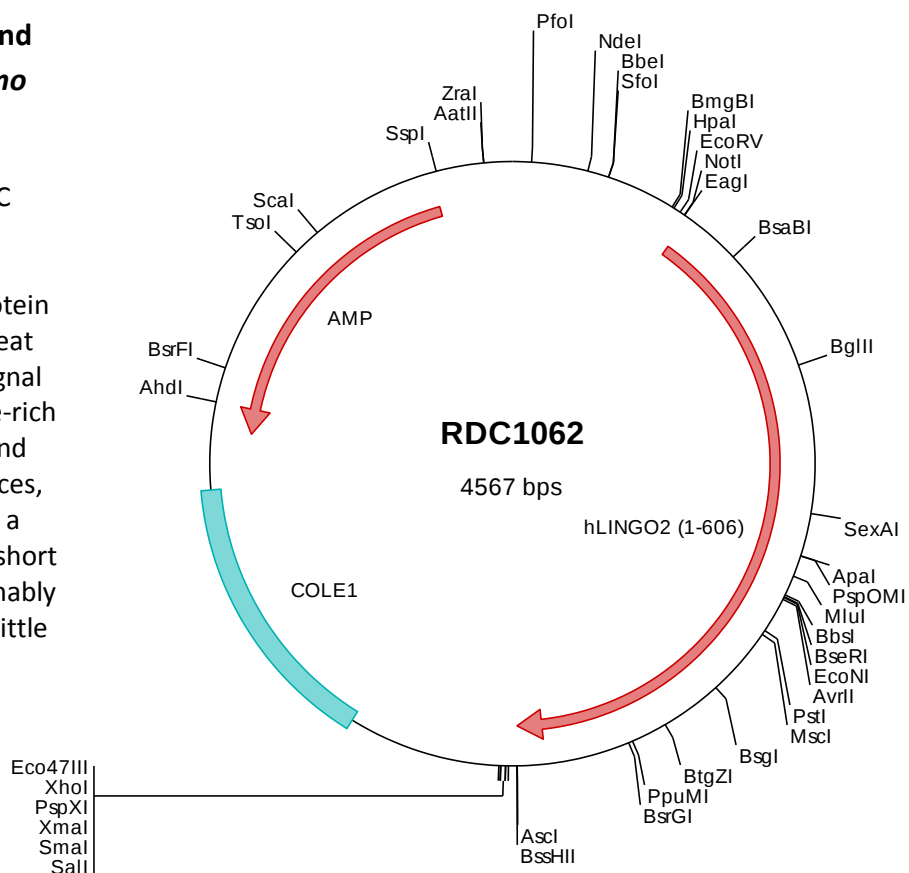
hLINGO-2 cDNA Plasmid

LINGO2 leucine rich repeat and Ig domain containing 2 [*Homo sapiens* (human)]

Also known as: LERN3; LRRN6C

Summary:

LINGO2 is a transmembrane protein in the neuronal leucine-rich repeat family. These proteins have a signal peptide, 12 extracellular leucine-rich repeats flanked by N-terminal and C-terminal cysteine-rich sequences, an immunoglobulin-like domain, a transmembrane domain, and a short cytoplasmic tail. LINGO2 presumably functions outside the CNS with little involvement by p75/NgR1.





> RDC1062 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tgcgtagcgc ggccgcaccc atgcttcaca ctgctatato atgctggcag ccattcctgg gtctggctgt
501  ggtgttaato ttcatgggat ccaccattgg ctgcgccgct cgtctgtagt gctctgcccc gaacaaatct gttagctgtc acagaaggcg attgatcgcc
601  atcccagagg gcattcccat cgaacccaaa atcttggacc tcagtaaaaa caggctaaaa agcgtcaacc ctgaagaatt catatcatat cctctgctgg
701  aagagataga cttgagtgc aacatcattg ccaatgtgga accaggagca tcaacaatc tctttaacct gcgttccttc cgctaaaaag gcaatgcgtc
801  aaagctgtgt ccttgggag tattcaggg gctgtccaat ctactaagc ttgacattag tgagaataag attgtoattt tactagacta catgttccaa
901  gatctacata acctgaagtc tctagaagtg ggggacaaat atttggttta tatatcacac agggcattca gtgggcttct tagcttgagg cagctcacc
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2601 ggtcgttcgg ctgcggcgag cggatcagc tcactcaaa gggtaatac ggttatccac agaatacagg gataacgcag gaaagaacat gtgagcaaaa
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> RDC1062 Translated Insert Sequence

```
1   mlhtaiscwq pflglavvli fmgstigcpa rcecsaqnks vschrrrlia ipegipietk ildlsknrlk svnpeefisy plleeidlsd niianveppa
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201  rslisihlkh lninmnpvya fkrflhlkhl eidywplldm mpanslygln ltslsvtnn lstvpflafk hlvytlhlnl synpistiea gmfsdlirlq
301  elhivgaqlr tiephsfqgl rflrvlnvsq nllletleenv fsspralevl sinnnplacd crllwilqrq ptlqfgggqp mcagpdtire rsfkdfhsta
401  lsfyftckkp kirekklqlh lvdeggtvql ecsadgdpqp viswvtprrr fittksngra tvlgdgtlei rfaqdqdsqm yvciasnaag ndtftasltv
501  kgfasdrfly anrtpmytd sntdisngtn antfslldkt ilvstamgcf tflgvvlfcf lllfvwsrgk ghkksidie yvprknngav vegevagpr
601  fnmkml
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