

## Product datasheet for **SC314219**

### LINGO1 (BC011057) Human Untagged Clone

#### Product data:

|               |   |
|---------------|---|
| Product Type: | Expression Plasmids   |
| Product Name: | LINGO1 (BC011057) Human Untagged Clone  |
| Tag:          | Tag Free  |
| Symbol:       | LINGO1  |
| Synonyms:     | FLJ14594; LERN1; leucine-rich repeat neuronal 6A; leucine-rich repeat neuronal protein 1; leucine rich repeat and Ig domain containing 1; leucine rich repeat neuronal 6A; LRRN6A; MGC17422; UNQ201 |
| Vector:       | <u><a href="#">pCMV6 series</a></u>   |



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for BC011057, the custom clone sequence may differ by one or more nucleotides

```

ATGCAGGTGAGCAAGAGGATGCTGGCGGGGGCGTGAGGAGCATGCCAGCCCCCTCCTG
GCCTGCTGGCAGCCCATCCTCCTGCTGGTGCTGGGCTCAGTGCTGTCAGGCTCGGCCACG
GGTGCCCCCGCCGCTGCGAGTCTCCGCCAGGACCGCGCTGTGCTGTGCCACCGCAAG
CGCTTTGTGGCAGTCCCCGAGGGCATCCCACCGAGACGCGCTGCTGGACCTAGGCAAG
AACCGCATCAAAACGCTCAACCAGGACGAGTTCCGCCAGTTCCCGCACCTGGAGGAGCTG
GAGCTCAACGAGAACATCGTGAGCGCCGTGGAGCCCGGCCCTTCAACAACCTCTTCAAC
CTCCGGACGCTGGGTCTCCGACGCAACCGCCTGAAGCTCATCCCGCTAGGCGTCTTCACT
GGCCTCAGCAACCTGACCAAGCTGGACATCAGCGAGAACAAGATCGTTATCCTACTGGAC
TACATGTTTTAGGACCTGTACAACCTCAAGTCACTGGAGTTGGCGACAATGACCTCGTC
TACATCTCTACCGCGCCTTCCAGCGCCTCAACAGCCTGGAGCAGCTGACGCTGGAGAAA
TGCAACCTGACCTCCATCCCACCGAGGCGCTGTCCACCTGCACGGCCTCATCGTCCTG
AGGCTCCGGCACCTCAACATCAATGCCATCCGGGACTACTCCTTCAAGAGGCTGTACCGA
CTCAAGGTCTTGAGATCTCCACTGGCCCTACTTGACACCATGACACCCAACCTGCCTC
TACGGCCTCAACCTGACGTCCCTGTCCATCACACTGCAATCTGACCGCTGTGCCCTAC
CTGGCCGTCCGCCACCTAGTCTATCTCCGCTTCCCTCAACCTCTCCTACAACCCCATCAGC
ACCATTGAGGGCTCCATGTTGCATGAGCTGCTCCGGCTGCAGGAGATCCAGCTGGTGGGC
GGGCAGCTGGCCGTGGTGGAGCCATATGCCTTCCGCGGCCTCAACTACCTGCGCGTGCTC
AATGTCTCTGGCAACCAGCTGACCACACTGGAGGAATCAGTCTTCCACTCGGTGGGCAAC
CTGGAGACTCATCCTGGACTCAACCCGCTGGCCTGCGACTGTGCGCTCCTGTGGGTG
TTCCGGCGCCGCTGGCGGCTCAACTTCAACCGGACGAGCCACGTGCGCCACGCCGAG
TTTGTCCAGGGCAAGGAGTTCAAGGACTTCCCTGATGTGCTACTGCCAACTACTTCACC
TGCCGCCCGCCCGCATCCGGGACCGCAAGGCCAGCAGGTGTTTGTGGACGAGGGCCAC
ACGGTGCAGTTTGTGTGCGGGCGATGGCGACCCGCGCCCGCATCCTCTGGCTCTCA
CCCCGAAAGCACCTGGTCTCAGCCAAGGCAATGGGCGGCTCACAGTCTTCCCTGATGGC
ACGCTGGAGGTGCGCTACGCCAGGTACAGGACAACGGCACGTACCTGTGCATCGCGGCC
AACCGGGCGGCAACGACTCCATGCCCGCCACCTGCATGTGCGCAGCTACTCGCCCGAC
TGGCCCCATCAGCCCAACAAGACCTTCGCTTTCATCTCCAACCGCCGGGCGAGGGAGAG
GCCAACAGCACCCGCGCCACTGTGCCTTCCCTTCGACATCAAGACCCTCATCATCGCC
ACCACCATGGGCTTCATCTCTTCTGGGCGTGTCTCTTCTGCCTGGTGTGCTGTTT
CTCTGGAGCCGGGCAAGGGCAACAAAGCACAAACATCGAGATCGAGTATGTGCCCCGA
AAGTCGGACGCAGGCATCAGCTCCGCCGACGCGCCCGCAAGTTCAACATGAAGATGATA

```

**Restriction Sites:** Please inquire

**ACCN:** BC011057

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

|                               |   |
|-------------------------------|---|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">BC011057.1</a></u> , <u><a href="#">AAH11057.2</a></u>   |
| <b>RefSeq Size:</b>           | 2286 bp   |
| <b>RefSeq ORF:</b>            | 2286 bp   |
| <b>Locus ID:</b>              | 84894   |
| <b>Cytogenetics:</b>          | 15q24.3   |
| <b>Domains:</b>               | LRRNT, LRRCT, LRR, ig, LRR_TYP, IGc2, IG  |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>Gene Summary:</b>          | Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors (PubMed:14966521, PubMed:15694321). Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination (PubMed:15895088). Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development (By similarity).[UniProtKB/Swiss-Prot Function]       |