# Product datasheet for RC203867L3V

## LINGO1 (NM_032808) Human Tagged ORF Clone Lentiviral Particle

## Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | LINGO1 (NM_032808) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | LINGO1 |
| **Synonyms:** | LERN1; LRRN6A; MRT64; UNQ201 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_032808 |
| **ORF Size:** | 1860 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC203867). |
| **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. |
| **RefSeq:** | NM_032808.5 |
| **RefSeq Size:** | 3109 bp |
| **RefSeq ORF:** | 1863 bp |
| **Locus ID:** | 84894 |
| **UniProt ID:** | Q96FE5 |
| **Cytogenetics:** | 15q24.3 |
| **Domains:** | LRRCT, LRR, ig, IGc2, IG |
| **Protein Families:** | Druggable Genome, Transmembrane |

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**MW:** 69.9 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 (PubMed:14966521, PubMed:15694321). Is also an important negative regulator of oligodentrocyte 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]