

## Product datasheet for **RN201416**

### **Lrfn4 (NM\_001109508) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrfn4 (NM_001109508) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrfn4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201416 representing NM\_001109508  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCCCGCGCTCCTATTGCTGTTGCTGGCCAGTGGAGCCGCTGCTTGCCCGCTGCCCTGTGTGTGCC  
 AGAACCTGTCGGAGTCGCTCAGCACCCCTTTGTGCCACCGAGGCCTGCTGTTGTGCCACCAACCTGGA  
 CAGGCGCACAGTTGAACTGCGCCTGGCTGACAACCTTCATCCAGGCCCTGGGACCCTGACTTCCGCAAC  
 ATGACAGGGCTGGTGGACCTAACATTGTCTCGAAATGCCATCACCCGCATCGGGGCCGCTCCTTTGGGG  
 ACCTGGAGAGCCTGCGCTCCTTGACCTGGATGGCAACAGGCTGGTGGAACTGGGAGCAGCAGCCTACG  
 GGGCCTGTCAACCTCCAGCACCTATTCTTAGTGCAATCAGCTGGGCCGAATCGCTCCTGGGGCCTTC  
 GACGACTCCTTGACAGTCTCGAGGACCTGGATGTGTCTATAACAATCTCCGGCAGGTTCCCTGGGCTG  
 GCATAGGCTCCATGCCTGCCCTGCATACCCTAACCTGGACCATAACCTCATTGATGCGCTGCCCCAGG  
 TGTTTTTGGCCAGCTTAGCCAGCTCTCCGCCTGGACCTGACCTCCAACCGCCTGGCCACCCTGGCACCT  
 GATCCACTCTTCTCGGGTCCGGATGCTGAGGCCTCACCTTCCCTCTGGTGTGAGTTTCAGCGGGA  
 ACCCACTGCACTGCAACTGTGAGCTGCTGTGGCTGCGGAGGCTGGCCCGCCTGATGACCTGGAAACCTG  
 CGCTTCTCCACCAACCCTGGCAGGCCGCTACTTCTGGGAGTGCCTGAGGGAGAGTTCTCCTGTGAGCCT  
 CCACTGATTGCCCGACACACAGCGCCTGTGGGTGCTAGAAGGTGACGGGCCACTCTACGGTGCAGGG  
 CTCTTGGTGACCTGTACCTACCATGCACTGGGTTGGTCTGATGACAGGCTGGTTGGCAACTCTTCTCG  
 AGCCTGGGCTTTCCCAACGGGACCCTAGAGATTGGGGTGACAGGCGCTGGAGATGCAGGAGCCTATACC  
 TGCATTGCTACCAACCCTGCCGTTGAGGCCACAGCCGAGTGGAGCTCCGGTACTGGCCTTGGCCATG  
 GTGGGAACACCAAGTGTGAGGGGGCCGCTCTGGGCCCTCGGACATTGCTGCCTGCTAGAACTGCTGC  
 TGAAGGCGAGGGAACCTTAGAATCTGAACCAGCCGTGCAAGTGACAGAGGTGACTGCCACCCTTGACTG  
 GTGAGCTGGGGCCAGGGCGGCCAGCTGACCCAGTGTGGATGTTCCAAATCCAGTACAACAGCAGCGAGG  
 ATGAGACCCTCATCTACCGGATTGTACCAGCCTCCAGCCAACACTTCTGCTGAAGCACCTGGTTCTGG  
 TGCTGACTACGACCTCTGCCTGTGGCCCTGTACCTGTCTGTTGGGCCCTCCGACCTCACGGCCACTAGA  
 CTGCTGGGCTGTGCCACTTCTTACCCTACCAGCACCCCCCTGTGCCATGCCCTACAGGCCCATGTGC  
 TGGGCGGACCCTGACTGTGGCAGTGGGAGGCGTCTAGTGGCTGCCTACTGGTCTTCACTGTGGCCTT  
 GCTGGTTCGGGGCCGGGAGCTGGGAATGGCCGCTCCCACTCAAACCTCAGCCATGTCCAATCCCAGACC  
 AATGGTGGCACTAGCCCCATGCCAAGAGCCACCACCACGGAGCCCTCCACCCGTCGCCAGCGCAGCT  
 GCTCCCTGGACCTAGGAGACACCGGTGGATGCTACGGGTATGCCAGGCGCCTGGGAGGAGCCTGGGCCCC  
 GCGGAGCCACTCTGTACATGGGGGGCTGCTGGGAGCTGGGTGTGGGGATGGGGGGCAGTGGGAGCGG  
 CTGGAGGAGAGCGTGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001109508
- Insert Size:** 1911 bp
- 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).
- 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.

**RefSeq:** [NM\\_001109508.1](#), [NP\\_001102978.1](#)

**RefSeq Size:** 2368 bp

**RefSeq ORF:** 1911 bp

**Locus ID:** 688721

**UniProt ID:** [D4ABX8](#)

**Cytogenetics:** 1q43

**Gene Summary:** Promotes neurite outgrowth in hippocampal neurons. May play a role in redistributing DLG4 to the cell periphery (By similarity).[UniProtKB/Swiss-Prot Function]