

## Product datasheet for **MC204317**

### **Lrfn4 (NM\_153388) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrfn4 (NM_153388) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrfn4
Synonyms:	BC023156; Salm3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC023036  
 GCTGGCCATTCCAGAGGATGCCAGAAGGAAGTCCCGGACCCTCCCTGCTCTTGGCCCTCCTCCACTTCC  
 TGCCCTCAGGCCTCACCTTGTCCAGTACCTGGACTCCCTTCAACTGCTTGGAAATGTGACCTTTACTC  
 TGGGGGGCCCTAGTCTGCAGCCCCAGCCATCTTTTCTCCCTGGGGTCTCTGTGAGCCTCTTACCCAAAC  
 CTTCCCAAGTTACAGACTTGAAACTGGTTCCTGGGACTGTGCCCTGGGCACAAGTGGGCACGTGCCCTA  
 GCCCCACCTGTGCCTGGGGCTGCGGCCCTTTCCACAGGGCACTACCATGGCCCCGCGCTCCTATTGC  
 TGCTGTGGCCAGTGGAGCCGCTGCTTGGCCGCTACCCTGTGTGTGCCAGAACCCTGTCGGAGTCACTCAG  
 CACCCTTTGTGCCACCAGGCCTGCTGTTTGTGCCACCAACGTGGACAGGCGCACAGTTGAACCTGCGC  
 CTGGCCGACAACCTCATCCAGGCCCTGGGACCCTGACTTCCGCAACATGACAGGGCTGGTGGACCTAA  
 CATTGTCTCGAAATGCCATCACCCGATTGGGGCTCGCTCCTTTGGGGACCTGGAGAGCCTGCGCTCCTT  
 GCACCTGGATGGCAACAGGCTGGTGGAGCTGGGCAGCAGCAGCCTACGGGGCCTGTCAACCTCCAGCAT  
 CTCATTCTCAGTGGCAATCAACTGGGCCGATCGCCCCGGGGCCTTCGACGACTTCCTTGACAGTCTCG  
 AGGACCTGGATGTGCTATAACAACCTCCGGCAGGTTCCCTGGGCTGGCATAGGCTCCATGCCTGCCCT  
 GCATACCCTGAACCTGGACCATAACCTCATCGATGCACTACCCCCAGGTGCTTTTGTCTCAGCTCAGCCAG  
 CTCTCCCGCCTTGACCTCACCTCAACCGCCTGGCCACCCTGGCACCTGATCCACTTTCTCCCGAGGCC  
 GGGATGCTGAGGCCTCACCTTCTCCCTGGTGTGAGTTTCAGCGGGAACCCACTGCACTGCAACTGTGA  
 GCTGCTGTGGCTGCGGGCGCTGGCCCGCCGATGACCTGGAAACCTGCGCTTCTCCACCAACCCTGGCA  
 GGCCGCTACTTCTGGGCAGTGCCTGAGGGAGAGTTCTCCTGTGAGCCTCCGCTGATTGCCCGGCACACAC  
 AGCGCCTGTGGGTGCTAGAGGGCCAGCGGGCCACCCTACGGTGCAGGGCCCTTGGTGACCCTGTACTTAC  
 CATGCACTGGGTGGCCCTGATGACAGGCTGGTGGCAACTCTTCTCGAGCCTGGGCTTTCCCAATGGG  
 ACCCTAGAGATTGGGGTACGGGGCGCTGGAGATGCAGGAGCCTATACCTGCATTGCCACCAACCCTGCTG  
 GTGAGGCCACAGCCCAGTGGAGCTCCGGTACTGGCCTTGGCCATGGTGGGAACACCAGTGTGAGGG  
 GGGCCCTCCTGGCCCTTCGGACATTGCTGCTTCTGCTAGAAGTGTCCGAAGGGCAGGGAACTTAGAA  
 TCTGAACCAGCAGTGAAGTACGGAGGTGACTGCCACCTCTGGCCTGGTGTGAGCTGGGGCCTGGGGCGGC  
 CAGCTGACCCAGTGTGGATGTTCCAAATCCAGTACAACAGCAGCGAGGATGAGACCCTCATCTACCGGAT  
 TGTACCAGCCTCCAGCCACCCTTCTGCTGAAGCACCTGGTTCCCGGTGCTGACTACGACCTCTGCCTG  
 CTGGCCCTGTACCTGCTGCTGGGCCCTCCGACCTCACGGCCACTAGACTGCTGGGCTGTGCCACTTCT  
 CTACGCTACCAGCCACCCCTGTGCCATGCCCTACAGGCCATGTGCTGGGCGGGACCCTGACTGTGGC  
 AGTGGGGGGCGTCTAGTGGCTGCCTTACTGGTCTTCACTGTGGCCTTGTGGTTCGGGGCCGGGGAGCT  
 GGGAAATGGCCGCTCCCACTCAAACCTCAGCCATGTCCAATCCCAGACCAATGGTGGCACCAGCCCCATGC  
 CCAAGAGCCACCCACCACGGAGCCCTCCACCCGTCCTCAGCGCAGCTGCTCCCTGGACCTAGGAGACAC  
 CGGAGGATGCTACGGGTATGCCAGGCGCCTGGGAGGAGCCTGGGCCCGGGGAGCCACTCTGTACATGGG  
 GGGCTGCTGGGAGCTGGGTGTGCGGGGGTGGGGGGCAGTCCGGAGCGGCTGGAGGAGAGTGTGGTGTGAC  
 AGAAAGGGCAGCCTTTATGTGCCCTGAGGAAGGAGCAGTGCCACTGTTGGGCCAGGTGGCAGCACCCA  
 GCCTGGGTGGGCAGCACGGCCCTGGGTCCCACTGCTTTTTATCCTCAGTACCTCAGGCCCCCATGTAC  
 TTGGTGGGACAGCAAACCTTTCTTGGTTTTGGCCTCCAGACTAAAGGGACAGGTCCCACCAACAGGTG  
 CTCAGAGCCACCAAGGCAGGGGCTGCAGCCACCAAGAGGGAGTCTGTTTCTATTTATAATAAAATTGTT  
 GGGGATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_153388  
**Insert Size:** 1911 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC023036](#), [AAH23036](#)

**RefSeq Size:** 2553 bp

**RefSeq ORF:** 1911 bp

**Locus ID:** 225875

**UniProt ID:** [Q80XU8](#)

**Cytogenetics:** 19 A

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