

Product datasheet for **RR201416**

Lrfn4 (NM_001109508) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR201416 representing NM_001109508
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGCGCTCCTATTGCTGTTGCTGGCCAGTGGAGCCGCTGCTTGCCCGCTGCCCTGTGTGTGCC
 AGAACCTGTCGGAGTCGCTCAGCACCCCTTTGTGCCACCGAGGCCTGCTGTTGTGCCACCAACGTGGA
 CAGGCGCACAGTTGAACTGCGCCTGGCTGACAACCTTCATCCAGGCCCTGGGACCCTGACTTCCGCAAC
 ATGACAGGGCTGGTGGACCTAACATTGTCTCGAAATGCCATCACCCGCATCGGGGCCGCTCCTTTGGGG
 ACCTGGAGAGCCTGCGCTCCTTGACCTGGATGGCAACAGGCTGGTGGAACTGGGAGCAGCAGCCTACG
 GGGCCTGTCAACCTCCAGCACCTATTCTTAGTGGCAATCAGCTGGGCCGAATCGCTCCTGGGGCCTTC
 GACGACTCCTTGACAGTCTCGAGGACCTGGATGTGTCTATAACAATCTCCGGCAGGTTCCCTGGGCTG
 GCATAGGCTCCATGCCTGCCCTGCATACCCTAACCTGGACCATAACCTCATTGATGCGCTGCCCCAGG
 TGTTTTTGCCAGCTTAGCCAGCTCTCCGCTGGACCTGACCTCCAACCGCCTGGCCACCTGGCACCT
 GATCCACTCTTCTCGGGGTCGGGATGCTGAGGCCTCACCTTCCCTCTGGTGTGAGTTTCAGCGGGA
 ACCCACTGCACTGCAACTGTGAGCTGCTGTGGCTGCGGAGGCTGGCCCGCCTGATGACCTGGAAACCTG
 CGCTTCTCCACCAACCTGGCAGGCCGCTACTTCTGGGAGTGCCTGAGGGAGAGTTCTCCTGTGAGCCT
 CCACTGATTGCCCGACACACACAGCGCCTGTGGGTGCTAGAAGGTGACGGGCCACTCTACGGTGCAGGG
 CTCTTGGTGACCTGTACCTACCATGCACTGGGTTGGTCTGATGACAGGCTGGTTGGCAACTCTTCTCG
 AGCCTGGGCTTTCCCAACGGGACCCTAGAGATTGGGGTGACAGGCGCTGGAGATGCAGGAGCCTATACC
 TGCATTGCTACCAACCTGCCGGTGAGGCCACAGCCGAGTGGAGCTCCGGGACTGGCCTTGCCCCATG
 GTGGGAACACCAAGTGTGAGGGGGCCGCTCTGGGCCCTCGGACATTGCTGCCTCTGCTAGAACTGCTGC
 TGAAGGCGAGGGAACCTTAGAATCTGAACCAGCCGTGCAAGTGACAGAGGTGACTGCCACCTCTGGACTG
 GTGAGCTGGGGCCAGGGCGCCAGCTGACCCAGTGTGGATGTTCCAAATCCAGTACAACAGCAGCGAGG
 ATGAGACCCTCATCTACCGGATTGTACCAGCCTCCAGCCAACACTTCTGCTGAAGCACCTGGTTCTGG
 TGCTGACTACGACCTCTGCCTGTGGCCCTGTACCTGCTGCTGGGCCCTCCGACCTCACGGCCACTAGA
 CTGCTGGGCTGTGCCACTTCTTACCCTACCAGCCACCCCTGTGCCATGCCCTACAGGCCCATGTGC
 TGGGCGGACCCTGACTGTGGCAGTGGGAGGCGTCTAGTGGCTGCCTTACTGGTCTTCACTGTGGCCTT
 GCTGGTTCGGGGCCGGGAGCTGGGAATGGCCGCTCCCACTCAAACCTCAGCCATGTCCAATCCCAGACC
 AATGGTGGCACTAGCCCCATGCCAAGAGCCACCACCGAGCCCTCCACCCGTCCCAGCGCAGCT
 GCTCCCTGGACCTAGGAGACACCGGTGGATGCTACGGGTATGCCAGGCGCCTGGGAGGAGCCTGGGCCCCG
 GCGGAGCCACTCTGTACATGGGGGGCTGCTGGGAGCTGGGTGTGGGGATGGGGGGCAGTGGGAGCGG
 CTGGAGGAGAGCGTGGTCTGGAGGAGAGCGTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201416 representing NM_001109508
 Red=Cloning site Green=Tags(s)

MAPPLLLLLLASGAAACPLPCVCQNLSESLSTLCAHRGLLFVPPNVDRRTVELRLADNFIQALGPPDFRN
 MTGLVDLTLSRNAITRIGARSGDLESLRSLHLDGNRLVELGSSSLRGPVNLQHLILSGNQLGRIAPGAF
 DDFLDSLEDLDVSYNNLRQVPWAGIGSMPALHTLNLDHNLIDALPPGVFAQLSQLSRLDLTSNRLATLAP
 DPLFSRGRDAEASPSPLVLSFSGNPLHCNCELLWLRRLARPDDLETASPPTLAGRYFWAVPEGEFSCEP
 PLIARHTQRLWVLEQRATLRCRALGDPVPTMHWVGPDDRLVGNSSRAWAFPNGTLEIGVTGAGDAGAYT
 CIATNPAGEATARVELRVLALPHGGNTSAEGGRGPSDIAASARTAAEGEGTLESEPAVQVTEVTATSGL
 VSWGPRPADPVWMFQIQYNSSSEDETLIYRIVPASSQHFLKHLVPGADYDLCLLALSPAAGPSDLTATR
 LLGCAHFSTLPATPLCHALQAHVLGGTLTVAVGGVLAALLVFTVALLVRGRGAGNRLPLKLSHVQSQT
 NGGTSPMPKSHPPRPPRPQRSCSLDLGDTGGCYGYARRLGGAWARRSHSVHGGLLGAGCRMGGSAAER
 LEESVLEESV

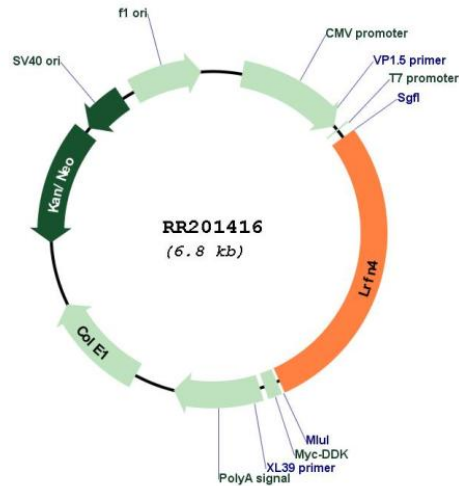
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001109508

ORF Size: 1908 bp

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.

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 Size: 2368 bp

RefSeq ORF: 1911 bp

Locus ID: 688721

UniProt ID: [D4ABX8](#)

Cytogenetics: 1q43

MW: 67.3 kDa

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]