

Product datasheet for **MR209648**

Lrfn4 (NM_153388) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrfn4 (NM_153388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrfn4
Synonyms:	BC023156; Salm3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209648 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCCGCGCTCCTATTGCTGCTGCTGGCCAGTGGAGCCGCTGCTTGCCCGCTACCCTGTGTGTGCC
 AGAACCTGTCGGAGTCACTCAGCACCCCTTTGTGCCACCGAGGCCTGCTGTTGTGCCACCAACCTGGA
 CAGGCGCACAGTTGAACTGCGCCTGGCCGACAACCTTCATCCAGGCCCTGGGACCACCTGACTTCCGCAAC
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 GGGCCTGTCAACCTCCAGCATCTATTCTCAGTGGCAATCAACTGGGCCGATCGCCCCGGGGCCTTC
 GACGACTCCTTGACAGTCTCGAGGACCTGGATGTGTCTATAACAACCTCCGGCAGGTTCCCTGGGCTG
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 GATCCACTCTTCTCCCGAGGCCGGGATGCTGAGGCCTCACCTTCTCCCTGGTGTGAGTTTCAGCGGGA
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 CGCTTCTCCACCAACCTGGCAGGCCGCTACTTCTGGGAGTGCCTGAGGGAGAGTTCTCCTGTGAGCCT
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 GCTGGTTCGGGGCCGGGAGCTGGGAATGGCCGCTCCCACTCAAACCTCAGCCATGTCCAATCCCAGACC
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 GCTCCCTGGACCTAGGAGACACCGGAGGATGCTACGGGTATGCCAGGCGCCTGGGAGGAGCCTGGGCCCCG
 GCGGAGCCACTCTGTACATGGGGGGCTGCTGGGAGCTGGGTGTGGGGGGTGGGGGGCAGTGGGAGCGG
 CTGGAGGAGAGTGTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209648 protein sequence
 Red=Cloning site Green=Tags(s)

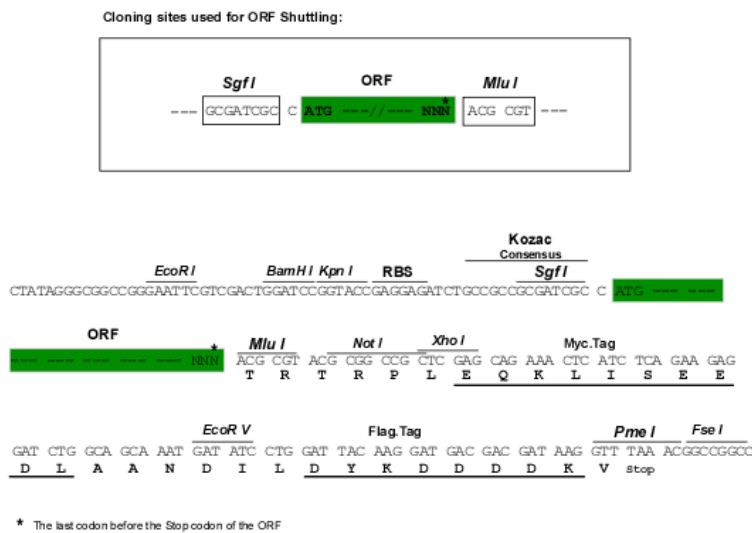
MAPPLLLLLLASGAAACPLPCVCQNLSESLSTLCAHRGLLFVPPNVDRRTVELRLADNFIQALGPPDFRN
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 DDFLDSLEDLDVSYNNLRQVPWAGIGSMPALHTLNLDHNLIDALPPGVFAQLSQLSRLDLTSNRLATLAP
 DPLFSRGRDAEASPSPLVLSFSGNPLHCNCELLWLRRARPDDLETASPPTLAGRYFWAVPEGEFSCEP
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 CIATNPAGEATARVELRVLALPHGGNTSAEGGRPGPSDIAASARTAAEGEGTLESEPAVQVTEVTATSGL
 VSWGLGRPADPVWMFQIQYNSSSEDETLIYRIVPASSHFLKHLVPGADYDLCLLALSPAAGPSDLTATR
 LLGCAHFSTLPATPLCHALQAHVLGGTLTVAVGGVLAALLVFTVALLVRGRGAGNRLPLKLSHVQSQT
 NGGTSPMPKSHPPRSPPPRQKSCSLDLGDTGGCYGARRLGGAWARRSHSVHGLLGAGCRGVGSAER
 LEESV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_153388

ORF 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 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](#)

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: [NM_153388.4](#)

RefSeq Size: 2930 bp

RefSeq ORF: 1911 bp

Locus ID: 225875

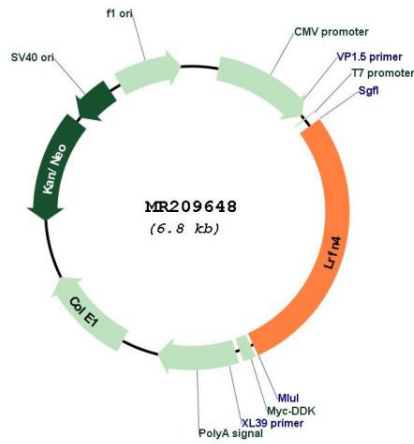
UniProt ID: [Q80XU8](#)

Cytogenetics: 19 A

MW: 67.3 kDa

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

Product images:



Circular map for MR209648