

Product datasheet for **SC304811**

LRFN2 (NM_020737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRFN2 (NM_020737) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRFN2
Synonyms:	FIGLER2; KIAA1246; SALM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC304811 representing NM_020737.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGACCCTGCTTGGTGGCCTGCTAGCGTTTGGCATGGCGTTTGCCGTGGTGCACGCCTGCCCAAG
TACTGTGCTGCCAGAATCTGTCTGAGTCACTGGGGACCCTGTGCCCTCCAAGGGGCTGCTCTTTGTA
CCCCCTGATATTGACCGCGGACAGTGGAGCTGCGCCTGGGCGGCAACTTCATCATCCACATCAGCCGC
CAGGACTTTGCCAACATGACGGGGCTGGTGGACCTGACCTGTCCAGGAACACCATCAGCCACATCCAG
CCCTTTTCTTTCTGGACCTCGAGAGCCTCCGCTCCCTGCATCTTGACAGCAATCGGCTGCCAAGCCTT
GGGGAGGACACCCCTCCGGGGCTGGTCAACCTGCAGCACCTTATCGTGAACAACAACAGCTGGGCGGC
ATCGCAGATGAGGCTTTGAGGACTTCTGCTGACATTGGAGGATCTGGACCTCTCTACAACAACCTC
CATGGCCTGCCGTGGGACTCCGTGCGACGCATGGTCAACCTCCACCAGCTGAGCCTGGACCACAACCTG
CTGGATCACATCGCCGAGGGCACCTTTGCAGACCTGCAGAACTGGCCCGCTGGATCTCACCTCCAAT
CGGCTGCAGAAGCTGCCCTGTATCCATCTTTGCCCGCTCCAGGCTTCGGCTTTGACAGCCACACCC
TTTGCCCCACCCTTGTCCTTTAGTTTTGGGGGTAAACCACTTCACTGCAATTGTGAGCTTCTCTGGCTG
CGGAGGCTCGAGCGGGACGATGACCTGGAACCTGTGGTCCCCAGGGGGCTCAAGGGTCGCTACTTC
TGGCATGTGCGTGAGGAGGAGTTTGTGTGCGAGCCGCTCTCATCACCAGCACACACAAGTTGCTG
GTTCTGGAGGGCCAGGCGGCCACACTCAAGTGCAAAGCATTGGGGACCCAGCCCCCTTATCCACTGG
GTAGCCCCCGATGACCGCTGGTAGGGAACCTCAAGGACCGCTGTCTATGACAATGGCACCTGGAC
ATCTTCATCACCATCTCAGGACAGTGGTGCCTTACCTGCATTGCTGCCAATGCTGCCGAGAGGGCC
ACGGCCATGGTGGAGGTCTCCATCGTCCAGCTGCCACACCTCAGCAACAGCACCAGCCGCACTGCACCC
CCCAAGTCCCGCTCTCAGACATCACTGGCTCCAGCAAGACCAGCCGGGAGGTGGAGGCAGTGGGGGC
GGAGAGCCTCCAAAAGCCCCCGGAACGGGCTGTGCTTGTGTCTGAAGTGACCACCACTCGGCCCTG
GTCAAGTGGTCTGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
GATGAGGTAAGTTTACAGGATGATCCAGCCTCCAACAAGGCCTTCTGGTCAACAACCTGGTGTCA
GGGACTGGCTACGACTTGTGTGCTGGCCATGTGGGATGACACAGCCACGACACTCACGGCCACCAAC
ATCGTGGGCTGCGCCAGTTCTTACCAAGGCTGACTACCCGAGTGCCAGTCCATGCACAGCCAGATT
CTGGGCGGCACCATGATCCTGGTCACTGGGGGCATCATCGTGGCCACGCTGCTGGTCTTCATCGTCATC
CTCATGGTGGCTACAAGGTCTGCAACCACGAGGCCCCCAGCAAGATGGCAGCGGCCGTGAGCAATGTG
TACTCGCAGACCAACGGCGCCAGCCACCGCCTCCAAGCAGCGCACCAGCCGGGGCCCCGCGCAGGGC
CCGCCGAAGGTGGTGGTGCACACGAGCTCCTGGACTTACCGCCAGCCTGGCCCCGCGCCAGTGACTCC
TCTTCTCCAGCTCCCTGGGCACTGGGGAGGCTGCGGGGCTGGGACGGGCCCCCTGGAGGATCCACCC
TCCGCCCGCGCCCCAAGCCAGCCTTGACCGCCTGATGGGGGCTTCGCCTCCCTGGACCTCAAGAGT
CAGAGAAAGGAGGAGCTGCTGGACTCCAGGACTCCAGCCGGGAGAGGGGCTGGGACGTGGCCCCGGGC
CACCACTCGGACCGAGAGCCACTGCTGGGGCCCCCTGCGGCCGGGCCAGGAGCCTGCTCCCTTGCCG
TTGGAGGGCAAGGCCAACGCAGCCACTCCTTCGACATGGGGGACTTTGCTGCTGCGGCGCGGGAGGG
GTCGTGCCGGGCGGCTACAGTCTCTCGGAAGGTCTCGAACATCTGGACGAAGCGCAGCCTCTCTGTC
AACGGCATGCTCTTGCCCTTTGAGGAGAGTGACCTGGTGGGGGCCGGGGGACTTTTGGCAGCTCCGAA
TGGGTGATGGAGAGCACGGTCTAG
ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI
ACCN: NM_020737
Insert Size: 2370 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_020737.2
RefSeq Size:	3221 bp
RefSeq ORF:	2370 bp
Locus ID:	57497
UniProt ID:	Q9ULH4
Cytogenetics:	6p21.2-p21.1
Protein Families:	Transmembrane
MW:	84.7 kDa
Gene Summary:	Promotes neurite outgrowth in hippocampal neurons. Enhances the cell surface expression of 2 NMDA receptor subunits GRIN1 and GRIN2A. May play a role in redistributing DLG4 to the cell periphery (By similarity).[UniProtKB/Swiss-Prot Function]