

Product datasheet for **RC200850**

LRFN3 (NM_024509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRFN3 (NM_024509) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRFN3
Synonyms:	FIGLER1; SALM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC200850 representing NM_024509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATCCTCCGTTGCTCCTGTGCCTGCTGCCCTGGCCCCTGCCTCATCCCCACCCAGTCAGCCA
 CACCCAGCCCATGTCCCGCCGCTGCCGCTGCCAGACACAGTCGCTGCCCTAAGCGTGCTGCCCAGG
 GGCAGGCCTCCTGTTCTGTCACCCCTCGCTGGACCGCCGGCAGCCGAGCTGCGGCTGGCAGACAACTTC
 ATCGCCTCCGTGCGCCGCGCAGCTGGCCAACATGACAGGCCTGCTGCATCTGAGCCTGTGCGGAACA
 CCATCCGCCACGTGGCTGCCGGCCTTCGCCGACCTGCCGGCCCTGCGTGCCTGCACCTGGATGGCAA
 CCGGCTGACCTACTGGGCGAGGGCCAGCTGCCGGCCTGGTCAACTGCGCCACCTCATCTCAGCAAC
 AACCGCTGGCAGCGCTGGCGCCGGCCCTGGATGATTGTGCCGAGACTGGAGGACCTCGACCTCT
 CCTACAACAACCTCGAGCAGCTGCCCTGGGAGGCCCTGGGCCCTGGGCAACGTCAACAGTTGGGCT
 CGACCACAACCTGCTGGTTCTGTGCCCGCCGGCCTTTTCCCGCTGCACAAGCTGGCCCGGCTGGAC
 ATGACCTCCAACCGCTGACCACAATCCACCCGACCCACTCTTCTCCCGCTGCCCTGCTCGCCAGGC
 CCCGGGGCTCGCCCGCTCTGCCCTGGTGTGGCCTTTGGCGGGAACCCCTGCACTGCAACTGCGAGCT
 GGTGTGGCTGCGTGCCTGGCGGGGAGGACGACCTCGAGGCCTGCGCGTCCCACCTGCTCTGGGCGG
 CGCTACTTCTGGGCGGTGGGCGAGGAGGTTGTCTGCGAGCCGCCGTTGGTACTCACCGCTCACCC
 CTCTGGCTGTGCCCGAGGTGCGCCGGCTGCCCTGCGCTGCCGGGAGTGGGGGACCCAGAGCCCGTGT
 GCGTTGGTGTACCCAGGGCCGGTGTAGGCAACTCAAGCGTGCCCGCCCTTCCCAATGGGACG
 CTGGAGCTGCTGGTACCGAGCCGGGTGATGGTGGCATCTTCACTGCATTGCGGCAATGCACCTGGCG
 AGGCCACAGCTGCTGTGGAGCTGACTGTGGTCCCCACCCTCCTCAGCTAGCCAACAGCACCAGCTG
 TGACCCCGCGGGACGGGATCCTGATGCTCTACCCACCCTCCGCTGCCTCTGCTTCTGCCAAGGTG
 GCCGACTGGGCCCCCTACCGACCGTGGCGTCCAGGTACTGAGCACGGGGCCACAGCTGCTCTTGCC
 AGTGGCCGGATCAGCGGCCTATCCCGGCATCCGCATGTACCAGATCCAGTACAACAGCTCGGCTGATGA
 CATCCTCGTCTACAGGATGATCCCGGGGAGAGCCGCTCGTTCTGCTGACGGACCTGGCGTCAGGCCG
 ACCTACGATCTGTGCGTCTCGCCGTGTATGAGGACAGCGCCACGGGGCTCACGGCCACGCGCCTGTGG
 GCTGCGCCGCTTCTCCACGAACCTGCGTGCGCCATGCGGGGCGCCGACGCTCCCTTCTGGGCGG
 CACGATGATCATCGGCTGGGCGGCTCATCGTAGCCTCGGTACTGGTCTTATCTTCTGCTGCTAATG
 CGCTACAAGTGCACGGCGCCAGCCCCCGGCAAGGCAAGATTCCCGGCCTGTTAGCAGCGTTTGT
 CCCAGACCAACGGCGCCCTGGGCCACGCCACGCCCGCCCGCCCGCCCGGAGCCCGCGGCGCTCAG
 GGCCACACCGTGGTCCAGCTGGACTGCGAGCCCTGGGGCCCGCCACGAACCTGTGGGACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC200850 representing NM_024509
 Red=Cloning site Green=Tags(s)

MAILPLLLCLLPLAPASSPPQSATPSPCPRRCQCQTQSLPLSVLCPGAGLLFVPPSLDRRAAELRLADNF
 IASVRRRDLANMTGLLHLSL SRNTIRHVAAGAFADLRALRALHLDGNRL TSLGEGQLRGL VNLRHL ILSN
 NQLAALAAAGALDDCAETLEDLDL SYNMLEQLPWEALGRLGNVNTLGLDHNLLASVPAGAF SRLHKLARLD
 MTSNRL TTIPDPFLF SRLPLLARPRGSPASAL VLAFFGNPLHCNCEL VWLRRLLAREDDLEACASPPALGG
 RYFWAVGEEEFVCEPPVVTTHRSPLAVPAGRPAALRCRAVGDPEPRVRWVSPQGRLLGNSSRARAFPNGT
 LELLVTEPGDGGIFTCIAANAAGEATAAVELTVGPPPPQLANSTSCDPPRDGDPDALTPPSAASASAKV
 ADTGPPTDRGVQVTEHGATAALVQWPDQRPIPGIRMYQIQYNSSADDILVYRMIPAESRSFLL TDLASGR
 TYDLCVLAVYEDSATGLTATRPVGCARFSTEPALRPCGAPHAPFLGGTMIIALGGVIVASVLVIFVLLM
 RYKVHGGQPPGKAKIPAPVSSVCSQTNGALGPTPTPAPPAPPAALRAHTVVQLDCEPWGPGHEPVGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8102_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024509

ORF Size: 1884 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.

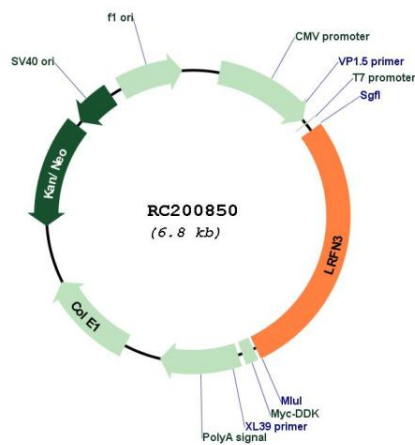
RefSeq: [NM_024509.2](#)

RefSeq Size: 2549 bp

RefSeq ORF: 1887 bp

Locus ID: 79414
UniProt ID: [Q9BTN0](#)
Cytogenetics: 19q13.12
Domains: LRRCT, LRR, ig, FN3
Protein Families: Transmembrane
MW: 66.3 kDa
Gene Summary: Cell adhesion molecule that mediates homophilic cell-cell adhesion in a Ca²⁺-independent manner. Promotes neurite outgrowth in hippocampal neurons (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200850