

Product datasheet for **SC316570**

LRFN1 (NM_020862) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRFN1 (NM_020862) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRFN1
Synonyms:	SALM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316570 representing NM_020862.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCCAGGACCCTTCTCCTCGGCCCTCCTCTCGCCGCCGCCCGCTGCCCTGCCCTTTCTGCTGCTG
CTCTGGCGGGGGCATCTCGTGGCCAGCCCTGCCCGGCCGCTGCATCTGCCAGAACGTGGCGCCACACA
CTGACAATGCTGTGCGCCAAGACCGGCTTGCTCTTTGTGCCGCCGCCATCGACCGCGCGTGGTGGAG
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CACCTCACTCTCTCCCGAACACCATCGGCCAGGTGGCAGCTGGCGCCTTCGCCGACCTGCGTGCCCTC
CGGGCCCTGCACCTGGACAGCAACCGCTGGCGGAGGTGGCGGGCAGCAGCTCCGCGGCTGGGCAAC
CTCCGCCACCTGATCCTTGAAACAACAGATCCGCCGGGTGGAGTGGCGGCCCTTGACGCTTCTCTG
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TCCGTTGATGACTCCCTCGTCTACAGGATGATCCCGTCCACAGTCAGACCTTCTGGTGAATGACCTG
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CATTTCTTGGGCGCACCATGATCATCGCCATCGGGGCGTCTGTCGCTCGGCTCCTGCTTTCATC
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CTGCCCGCCAGGACCTACGAGGCGCTGCGCGAGGTGGAGTCCAGGCTGCCCGCGCGTCCGCCGTC
GAGGCCAAGGCCATGGAGGCCGAGACGGCATCCGCGGAGCCGAGGTGGTCTTGACGTTCTCTGGGC
GGCTCGGCCACCTCGCTGTGCTGCTGCCATCCGAGGAACTTCCGGGGAGGAGTCTCGGGCCGCGGTG
GGCCCTCGAAGGAGCCGATCCGGCGCCCTGGAGCCACCAACCTCGGCGCCCCCTACTCTAGCTCTAGTT
CCTGGGGAGCCGCGCCCGGCCGAGGCCGAGCAGCGCTATTGTTTCGACGGGGACTACGGGGCACTA
TTCCAGAGCCACAGTTACCCGCGCCGCGCCGCGGACAAAGCCACCGGTCCACGCCGACCTGGAC
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TTCACGACACCGAGTGGATGCTGGAGAGTACCGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_020862
Insert Size: 2316 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_020862.1
RefSeq Size:	3212 bp
RefSeq ORF:	2316 bp
Locus ID:	57622
UniProt ID:	Q9P244
Cytogenetics:	19q13.2
Protein Families:	Transmembrane
MW:	82.3 kDa
Gene Summary:	Promotes neurite outgrowth in hippocampal neurons. Involved in the regulation and maintenance of excitatory synapses. Induces the clustering of excitatory postsynaptic proteins, including DLG4, DLGAP1, GRIA1 and GRIN1 (By similarity).[UniProtKB/Swiss-Prot Function]