

Product datasheet for **RG204946**

LRFN4 (NM_024036) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRFN4 (NM_024036) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRFN4
Synonyms:	FIGLER6; SALM3; SALM3.
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204946 representing NM_024036
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGCGCTCCTGCTGCTGCTGCTGGCCAGTGGAGCGGCCGCTGCCCGCTGCCCTGCTGCTGCC
 AGAACCTGTCGAGTCCGCTCAGCACCTCTGTGCCACCGAGGCCTGCTGTTGTGCCGCCAACGTGGA
 CCGGCGCACAGTGGAGCTGCGGCTGGCTGACAACCTCATCCAGGCCCTGGGGCCCCCTGACTTCCGCAAC
 ATGACGGGACTGGTGGACCTGACACTGTCTCGCAATGCCATACCCGCATTGGGGCCCGCCTTTGGGG
 ACCTCGAGAGCCTGCGTTCCTCCACCTTGACGGCAACAGGCTGGTGGAGCTGGGCACCGGGAGCCTCCG
 GGGCCCCGTAATCTGCAGCACCTATCCTCAGCGCAACAGCTGGGCCGATCGCGCCGGGAGCCTTC
 GACGACTTCTAGAGAGCCTGGAGGACCTGGACCTGTCTACAACAACCTCCGGCAGGTGCCCTGGGCCG
 GCATCGGGCCCATGCCTGCCCTGCACACCCTAACCTGGACCATAACCTTATTGACGCACTGCCCCAGG
 CGCCTTCGCCAGCTCGGTGAGCTCTCCGCTGGACCTCACCTCAACCGCCTGGCCACGCTGGCTCCG
 GACCCGCTTTTCTCTCGTGGGCGTGATGCAGAGGCCTCTCCCGCCCCCTGGTGTGAGCTTTAGCGGGA
 ACCCCCTGCACTGCAACTGTGAGCTGCTGTGGCTGCGGGCGCTGGCGCGGCCGACCTGGAAACGTG
 CGCTCCCGCCCGCCCTGGCCGGCCGCTACTTCTGGGAGTGCCCGAGGGCGAGTTCTCTGTGAGCCG
 CCCCTCATTGCCCGCCACACGCAGCGCCTCTGGGTGCTGGAAGGCCAGCGGGCCACGCTGCGGTGCCGGG
 CCCTGGGTGACCCCGCCTACCATGCACTGGGTGGTCTGACGACCGGTTGGTTGGCAACTCTCCCG
 AGCCCGGGCTTTCCCAACGGGACCTTAGAGATTGGGGTGACCGCGCTGGGGACGCTGGGGGTACACC
 TGCATCGCCACCAACCTGCTGGTGAGGCCACAGCCGAGTAGAACTGCGGGTGTGGCTTGCCCATG
 GTGGGAACAGCAGTGCCGAGGGGGCCGCCCGGGCCCTCGGACATCGCCGCCTCCGCTCGCAGCTGCTG
 CGAGGGTGAGGGGACGCTGGAGTCTGAGCCAGCCGTGACGGTGACGGAGGTGACCGCCACCTCAGGGCTG
 GTGAGCTGGGGTCCCGGGCGGCCAGCCAGCCAGTGTGGATGTTCCAAATCCAGTACAACAGCAGCGAAG
 ATGAGACCCTCATCTACCGGATTGTCCAGCCTCCAGCCACCACTTCTGCTGAAGCACCTCGTCCCGG
 CGCTGACTATGACCTCTGCCTGTGGCCTGTGACCGGCCGCTGGGCCCTGACCTCACGGCCACCAGG
 CTGCTGGGCTGTGCCATTTCTCCACGCTGCCGGCCTCGCCCTGTGCCACGCCCTGCAGGCCACGTG
 TGGGGGGACCTGACCGTGGCCGTGGGGGTGTGCTGGTGGCTGCCTACTGGTCTTCACTGTGGCCTT
 GCTGGTTCGGGGCCGGGGCCGAAATGGCCGCTCCCCCTCAAGCTCAGCCACGTCCAGTCCCAGACC
 AATGGAGGCCACAGCCACACCAAGGCCACCCCGCGGAGCCCCCGCCCGCCGACGCGCAGCT
 GCTCTCTGGACCTGGGAGATGCCGGGTGCTACGGTTATGCCAGGCGCCTGGGAGGAGCTGGGCCGACG
 GAGCCACTCTGTGCATGGGGGGTGTCTCGGGCAGGGTGCAGGGGGTAGGAGGCAGCGCCAGCGGCTG
 GAAGAGAGTGTGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204946 representing NM_024036
 Red=Cloning site Green=Tags(s)

MAPLLLLLLASGAAACPLPCVCQNLSESLSTLCAHRGLLFVPPNVDRRTVELRLADNFIQALGPPDFRN
 MTGLVDLTLSRNAITRIGARAFGDLESLRSLHLDGNRLVELGTGSLRGPVNLQHLILSGNQLGRIAPGAF
 DDFLESLEDLDL SYNLRQVPWAGIGAMPALHTLNL DHNL IDALPPGAF AQLGQL SRLDL TSNRLATLAP
 DPLFSRGRDAEASPAPL VLSFSGNPLHCNCELLWLRRLARPDDLET CASPPGLAGRYFWAVPEGEFSCEP
 PLIARHTQRLWVLEGRATLR CRALGDPAPTMHWVGPDDRL VGNSSRARAFPNGTLEIGVTGAGDAGGYT
 CIATNPAGEATARVELRVLALPHGGNSSAEGGRGPSDI AASARTAAEGEGTLESEPAVQVTEVTATSGL
 VSWGPRPADPVWMFQIQYNSSEDETLIYRIVPASSHFLKHLVPGADYDLCLLALSPAAGPSDLTATR
 LLGCAHFSTLPASPLCHALQAHVLTVAVGGVLAALLVFTVALLVRGRGAGNGRLPLKLSHVQSQT
 NGGPSPTPKAHP RSP RPPRQRSCSLDLGDAGCYGARRLGGAWARRSHSVHGGLLGAGCRGVGGS AERL
 EESVV

TRTRPLE - GFP Tag - V

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:	<ol style="list-style-type: none">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_024036.5
RefSeq Size:	2449 bp
RefSeq ORF:	1908 bp
Locus ID:	78999
UniProt ID:	Q6PJG9
Cytogenetics:	11q13.2
Domains:	LRRCT, LRR, ig, LRR_TYP, IGc2, IG, FN3
Protein Families:	Transmembrane
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]