OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC207383

LRFN5 (NM_152447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRFN5 (NM_152447) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRFN5
Synonyms:	C14orf146; FIGLER8; SALM5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC207383 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAAAATTCTTTTTTATCTGTTTCTCATTGGCATAGCAGTGAAAGCTCAGATCTGTCCAAAGCGTT
GTGTCTGTCAGATTTTGTCTCCTAATCTTGCAACCCTTTGTGCCAAGAAAGGGCTTTTATTTGTTCCACC
AAACATTGACAGAAGAACTGTGGAACTGCGGTTGGCAGACAATTTTGTTACAAATATTAAAAGGAAAGAT
TTTGCCAATATGACCAGCTTGGTGGACCTGACTCTATCCAGGAATACAATAAGTTTTATTACACCTCATG
CTTTCGCTGACCTACGAAATTTGAGGGCTTTGCATTTGAATAGCAACAGATTGACTAAAATTACAAATGA
TATGTTCAGTGGTCTTTCCAATCTTCATCATTTGATACTGAACAACAATCAGCTGACTTTAATTTCCTCT
ACAGCGTTTGATGATGTCTTCGCCCTTGAGGAGCTGGATCTGTCCTATAATAATCTAGAAACCATTCCTT
GGGATGCTGTTGAGAAGATGGTTAGCTTGCATACCCTTAGTTTGGATCACAATATGATTGATAACATTCC
TAAGGGGACCTTCTCCCATTTGCACAAGATGACTCGGTTAGATGTGACATCAAATAAATTGCAGAAGCTA
CCACCTGACCCTCTCTTTCAGCGAGCTCAGGTACTAGCAACCTCAGGAATCATAAGCCCATCTACTTTTG
CATTAAGTTTTGGTGGAAACCCATTGCATTGCAATTGTGAATTGTTGTGGTTGAGGCGTCTGTCCAGAGA
AGATGACTTAGAGACCTGTGCTTCTCCTCCACTTTTAACTGGCCGCTACTTTTGGTCAATTCCTGAAGAA
GAGTTTTTGTGTGAGCCTCCTCTCATTACTCGTCATACACATGAGATGAGAGTCCTGGAGGGACAAAGGG
CAACACTGAGGTGCAAAGCCAGGGGAGACCCTGAGCCTGCAATTCACTGGATTTCTCCTGAAGGGAAGCT
TATTTCAAATGCAACAAGATCTCTGGTGTATGATAACGGAACACTTGACATTCTTATCACAACTGTAAAG
GATACAGGTGCTTTTACCTGCATTGCTTCCAATCCTGCTGGGGAAGCAACACAAATAGTGGATCTTCATA
TAATTAAGCTCCCTCACTTACTAAATAGTACAAACCATATCCATGAGCCTGATCCTGGTTCTTCAGATAT
CTCAACTTCTACCAAGTCAGGTTCTAATACAAGCAGTAGTAATGGTGATACTAAATTGAGTCAAGATAAA
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ATGTGCGTTGCCATTTCATGCAGTCCCAGTTTTTGGGAGGCACCATGATTATTATTATTGGTGGAATCAT
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CACAAGGTCACCAAGGTTAGCAATGTTTATTCCCAAACTAACGGGGCTCAAATACAAGGCTGTAGTGTAA
CGCTGCCCCAGTCCGTGTCCAAACAAGCTGTGGGACACGAAGAGAATGCCCAGTGTTGTAAAGCTACCAG
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CCTTCCTGGACTTCAAGCACTTCTGTGTCCCAAAAGCAGAAAAGAAAGACTGGCACAAAGCCAAGTACAG
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GTTAGCTAGCCGTCCTCCCGATTCTGTCACAGAGGGGCCCACGTCTAAAAGAGCACATATAAAGCCAAAT
GCTTTGCTGACTAATGTTGACCAGATTGTCCAGGAAACACAGAGGCTGGAGTTAATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207383 protein sequence
Red=Cloning site Green=Tags(s)

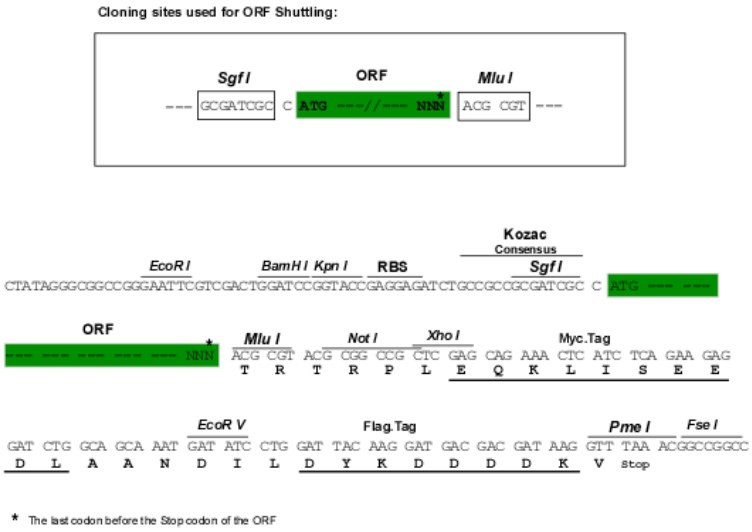
MEKILFYLFLIGIAVKAQICPKRCVCQILSPNLATLCAKKGLLFVPPNIDRRTVELRLADNFVTNIKRKD
FANMTSLVDLTLSRNTISFITPHAFADLRNLRALHLNSNRLTKITNDMFSGLSNLHHLILNNNQLTLISS
TAFDDVFALEELDLSYNNLETIPWDAVEKMVSLHTLSLDHNMIDNIPKGTFSHLHKMTRLDVTSNKLQKL
PPDPLFQRAQVLATSGIISPSTFALSFGGNPLHCNCELLWLRRLSREDDLETCASPPLLTGRYFWSIPEE
EFLCEPPLITRHTHEMRVLEGQRATLRCKARGDPEPAIHWISPEGKLISNATRSLVYDNGTLDILITTVK
DTGAFTCIASNPAGEATQIVDLHIIKLPHLLNSTNHIHEPDPGSSDISTSTKSGSNTSSSNGDTKLSQDK
IVVAEATSSTALLKFNFQRNIPGIRMFQIQYNGTYDDTLVYRMIPPTSKTFLVNNLAAGTMYDLCVLAIY
DDGITSLTATRVVGCIQFTTEQDYVRCHFMQSQFLGGTMIIIIGGIIVASVLVFIIILMIRYKVCNNNGQ
HKVTKVSNVYSQTNGAQIQGCSVTLPQSVSKQAVGHEENAQCCKATSDNVIQSSETCSSQDSSTTTSALP
PSWTSSTSVSQKQKRKTGTKPSTEPQNEAVTNVESQNTNRNNSTALQLASRPPDSVTEGPTSKRAHIKPN
ALLTNVDQIVQETQRLELI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6341_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152447

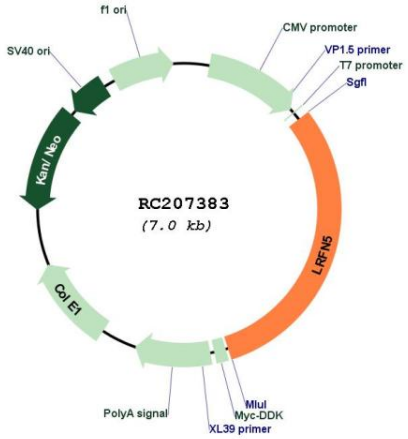
ORF Size: 2157 bp

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

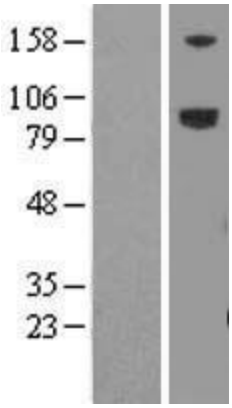
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152447.2, NP_689660.2
RefSeq Size:	3747 bp
RefSeq ORF:	2160 bp
Locus ID:	145581
UniProt ID:	Q96NI6
Cytogenetics:	14q21.1
Domains:	LRRCT, LRR, ig, LRR_TYP, IGc2, IG, FN3, LRR_PS
Protein Families:	Transmembrane
MW:	79.4 kDa
Gene Summary:	This gene encodes a protein that belongs to the leucine-rich repeat and fibronectin type III domain-containing family of proteins. A similar protein in mouse, a glycosylated transmembrane protein, is thought to function in presynaptic differentiation. [provided by RefSeq, Sep 2016]

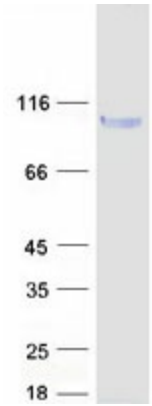
Product images:



Circular map for RC207383



Western blot validation of overexpression lysate (Cat# [LY407485]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207383 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRFN5 protein (Cat# [TP307383]). The protein was produced from HEK293T cells transfected with LRFN5 cDNA clone (Cat# RC207383) using MegaTran 2.0 (Cat# [TT210002]).