

Product datasheet for **RG207383**

LRFN5 (NM_152447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRFN5 (NM_152447) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRFN5
Synonyms:	C14orf146; FIGLER8; SALM5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG207383 representing NM_152447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAAATTCTTTTTATCTGTTTCTCATTGGCATAGCAGTGAAAGCTCAGATCTGTCCAAAGCGTT
 GTGCTGTGCAGATTTTGTCTCCTAATCTTGCAACCCCTTTGTGCCAAGAAAGGGCTTTTATTGTTCACC
 AAACATTGACAGAAGAACTGTGGAAGCTGCGGTTGGCAGACAATTTGTTACAAATATTAAGGAAAGAT
 TTTGCCAATATGACCAGCTTGGTGGACCTGACTCTATCCAGGAATACAATAAGTTTTATTACACCTCATG
 CTTTCGCTGACCTACGAAATTTGAGGGCTTGCATTTGAATAGCAACAGATTGACTAAAATTACAAATGA
 TATGTTCACTGGTCTTCCAATCTTCATCTTTGATACTGAACAACATCAGCTGACTTTAATTTCTCT
 ACAGCGTTTGATGATGTCTTCGCCCTTGAGGAGCTGGATCTGCTCTATAATAATCTAGAAACCATTCCTT
 GGGATGCTGTTGAGAAGATGGTTAGCTTGACATACCCTTAGTTTGGATCACAATATGATTGATAACATTCC
 TAAGGGGACCTTCTCCATTTGCACAAGATGACTCGGTTAGATGTGACATCAAATAAATTGCAGAAGCTA
 CCACCTGACCCTCTCTTTCAGCGAGCTCAGGTACTAGCAACCTCAGGAATCATAAGCCCATCTACTTTTG
 CATTAAGTTTGGTGGAACCCATTGCATTGCAATTGTGAATTGTTGTGGTTGAGGCGTCTGTCCAGAGA
 AGATGACTTAGAGACCTGTGCTTCTCCTCCACTTTTAACTGGCCGCTACTTTTGGTCAATTCTGAAGAA
 GAGTTTTTGTGTGAGCCTCCTCTCATTACTCGTCATACACATGAGATGAGAGTCTGGAGGGACAAAGGG
 CAACACTGAGGTGCAAAGCCAGGGGAGACCCTGAGCCTGCAATTCAGTGGATTTCTCTGAAGGGAAGCT
 TATTTCAAATGCAACAAGATCTCTGGTGTATGATAACGGAACACTTGACATTCCTATCACAACGTAAAG
 GATACAGGTGCTTTTACCTGCATTGCTTCCAATCTGCTGGGGAAGCAACACAAATAGTGGATCTTCATA
 TAATTAAGCTCCCTCACTTACTAAATAGTACAAACCATATCCATGAGCCTGATCCTGGTTCTTCAGATAT
 CTCAACTTCTACCAAGTCAGGTTCTAATACAAGCAGTAGTAATGGTGATACTAAATTGAGTCAAGATAAA
 ATTGTGGTGGCAGAAGCTACATCATCAACGGCACTACTTAAATTTAATTTTCAAAGAAATATCCCTGGAA
 TACGTATGTTTCAAATCCAGTACAATGGTACTTATGATGACACCCTTGTTTACAGAATGATACCTCTAC
 GAGCAAACTTTTCTGGTCAATAATCTGGCTGCTGGAATATGTATGACTTGTGTGCTTGGCCATATAT
 GATGATGGCATCACTTCCTCACTGCCACAAGAGTCGTGGGTTGCATCCAGTTTACTACGGAACAGGATT
 ATGTGCGTTGCCATTTTCATGCAGTCCCAGTTTTTGGGAGGCACCATGATTATTATTATTGGTGGAAATCAT
 TGTAGCATCTGTGCTGGTATTTCATCATTATTCTGATGATCCGGTATAAGGTTTGAACAATAATGGGCAA
 CACAAGGTCACCAAGGTAGCAATGTTTATCCCAAACCTAACGGGGCTCAAATACAAGGCTGTAGTGTA
 CGCTGCCCCAGTCCGTGTCCAAACAAGCTGTGGGACACGAAGAGAATGCCAGTGTGTAAAGCTACCAG
 TGACAATGTGATTCAATCTTCAGAACTTGTTTCGAGTCAGGACTCCTCTACCACTACCTCTGCTTTGCT
 CCTTCTGGACTTCAAGCACTTCTGTGTCCCAAAGCAGAAAAGAAAGACTGGCACAAGCCAAGTACAG
 AACCACAGAAATGAAGCCGTACAAATGTTGAATCCCAAACACTAACAGGAACAACCTCACTGCCTTGCA
 GTTAGCTAGCCGTCCTCCGATTCTGTACAGAGGGGCCACGTCTAAAAGAGCACATATAAGCCAAAT
 GCTTTGCTGACTAATGTTGACCAGATTGTCCAGGAAACACAGAGGCTGGAGTTAATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207383 representing NM_152447
 Red=Cloning site Green=Tags(s)

MEKILFYFLIGIAVKAQICPKRCVCQILSPNLATLCAKKGLLFVPPNIDRRTELRLADNFVTNIKRKD
 FANMTSLVDLTLSRNTISFITHAFADLRNLRALHLNSNRLTKITNDMFSGLSNLHHLILNNQLTLISS
 TAFDDVFALEELDLSYNNLETIPWDAVEKMVSLHTLSLDHNMIDNIPKGTFSHLHKMTRLDVTSNKLQKL
 PPDPFLFQRAQVLATSGIISPSTFALSFGGNPLHCNCELLWLRRLSREDDLETASPPLLTGRYFWSIPEE
 EFLCEPPLITRHTHEMRVLEGQRATLRCKARGDPEPAIHWISPEGKLISNATRSLVYDNGTLDILITTVK
 DTGAFTCIASNPAGEATQIVDLHIKLPHELLNSTNHIHEPDGSSDISTSTKSGSNTSSSNGDTKLSQDK
 IVVAEATSSSTALLKFNQIRNIPGIRMFQIQYNGTYDDTLVYRMIPPTSKTFLVNNLAAGMYDLCVLAIIY
 DDGITSLTATRVVGCIFTTEQDYVRCHFMQSQFLGGTMIIGGIIVASLVFIILMIRYKVCNNNGQ
 HKVTKVSNVYSQTNGAQIQGCSVTLQSVSKQAVGHEENAQCCKATSDNVIQSSETCSSQDSSTTSALP
 PSWTSSTSVSQKQKRKTGTPSTEPQNEAVTNVESQNTNRNNSTALQLASRPDSVTEGPTSKRAHIKPN
 ALLTNVDQIVQETQRLLEI

TRTRPLE – GFP Tag – V

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: 3169 bp

RefSeq ORF: 2160 bp

Locus ID: 145581

UniProt ID: [Q96NI6](#)

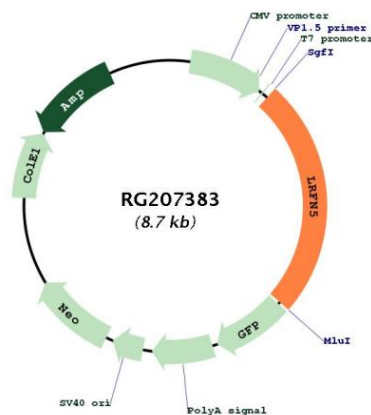
Cytogenetics: 14q21.1

Domains: LRRCT, LRR, ig, LRR_TYP, IGc2, IG, FN3, LRR_PS

Protein Families: Transmembrane

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 RG207383