

Product datasheet for **RC205198**

LRRN1 (NM_020873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRN1 (NM_020873) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRN1
Synonyms:	FIGLER3; NLRR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC205198 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTAGGATGAGCTTTGTTATAGCAGCTTGCCAATTGGTGCTGGGCCTACTAATGACTTCATTAAACCG
 AGTCTTCCATACAGAATAGTGAGTGCCACAACCTTTCGTATGTGAAATTCGTCCCTGGTTTACCCACA
 GTCAACTTACAGAGAAGCCACCACTGTTGATTGCAATGACCTCCGCTTAACAAGGATTCAGTAACCTC
 TCTAGTGACACACAAGTGCTTCTTACAGAGCAATAACATCGCGAAGACTGTGGATGAGCTGCAGCAGC
 TTTTCACTTGACTGAAGTAGATTTCTCCAAAACAACCTTACTAACATTAAGGAGGTGGGCTGGCAAA
 CCTAACCCAGCTCACAACGCTGCATTTGGAGGAAAATCAGATTACCGAGATGACTGATTACTGTCTACAA
 GACCTCAGCAACCTTCAAGAACTCTACATCAACCACAACCAAAATTAGCACTATTTCTGCTCATGCTTTG
 CAGGCTTAAAAAATCTATTAAGGCTCCACCTGAACCTCAACAAATTGAAAGTTATTGATAGTCGCTGGTT
 TGATTCTACACCAACCTGGAAATTCATGATCGGAGAAAACCTGTGATTGGAATTCTGGATATGAAC
 TTCAAACCCCTCGCAATTTGAGAAGCTTAGTTTTGGCAGGAATGTATCTCACTGATATTCTGGAATG
 CTTTGGTGGGTCTGGATAGCCTTGAGAGCTGTCTTTTATGATAACAACTGGTTAAAGTCCCTCAACT
 TGCCCTGCAAAAAGTTCCAAGTTTGAATTCCTAGACCTCAACAAAAACCCATTCAAAAAATCCAAGAA
 GGGGACTTCAAAAATATGCTTCGGTTAAAAGAACTGGGAATCAACAATATGGGCGAGCTCGTTTCTGTGCG
 ACCGCTATGCCCTGGATAACTTGCTGAACCTCAAAAGCTGGAAGCCACCAATAACCCCTAACTCTCTTA
 CATCCACCGCTTGGCTTTCGGAAGTGCCCTGCTCTGGAAGCTTGATGCTGAACAACAATGCCTTGAAT
 GCCATTTACAAAAGACAGTGAATCCCTCCCAATCTGCGTGAGATCAGTATCCATAGCAATCCCTCA
 GGTGTGACTGTGTGATCCACTGGATTAACCTCAACAAAACCAACATCCGCTTCATGGAGCCCTGTCCAT
 GTTCTGTGCCATGCCGCCGAATATAAAGGGCACCAGGTGAAGGAAGTTTAAATCCAGGATTCGAGTGAA
 CAGTGCTCCCAATGATATCTCACGACAGCTTCCCAATCGTTTAAACGTGGATATCGGCACGACGGTTT
 TCCTAGACTGTCGAGCCATGGCTGAGCCAGAACCTGAAATTTACTGGGTCACTCCATTGGAAATAAGAT
 AACTGTGGAAACCTTTTCAAGATAAACAAGCTAAGTAGCGAAGGTACCTTGGAAATATCTAACATACAA
 ATTGAAGACTCAGGAAGATACACATGTGTGCCAGAAATGTCAAGGGGAGACACTCGGGTGGCAACAA
 TTAAGGTTAACGGGACCTTCTGGATGGTACCCAGGTGCTAAAAATATACGTCAAGCAGACAGAATCCCA
 TTCCATCTTAGTGCTGGAAGTTAATTCCAATGTCATGACGTCAAACCTAAAAATGGTCGTCTGCCACC
 ATGAAGATTGATAACCCCTCACATAACATATACTGCCAGGGTCCCAGTCGATGTCCATGAATACAACCTAA
 CGCATCTGCAGCCTTCCACAGATTATGAAGTGTGTCTCACAGTGTCCAATATTCATCAGCAGACTCAAAA
 GTCATGCGTAAATGTCACAACCAAAAATGCCGCCTTCGAGTGGACATCTCTGATCAAGAAACAGTACA
 GCCCTTGTGTCAGTAATGGGGTCTATGTTTGCCGTCAATTAGCCTTGCGTCCATTGCTGTGTAATTTGCCA
 AAAGATTTAAGAGAAAAAATACCACCACTCATTAAAAAGTATATGCAAAAACCTCTTCAATCCCACT
 AAATGAGCTGTACCCACCACTCATTAACTCTGGGAAGGTGACAGCGAGAAAGACAAAGATGGTTCTGCA
 GACACCAAGCCAACCCAGGTGACACATCCAGAAGCTATTACATGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205198 protein sequence
 Red=Cloning site Green=Tags(s)

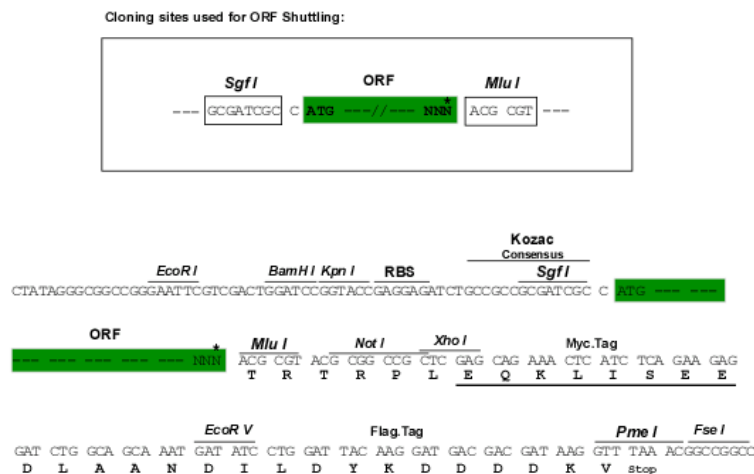
MARMSFVIAACQLVLGLLMTSLTESSIQNSECPQLCVCEIRPWFTPQSTYREATTVCNDLRLTRIPSNL
 SSQTQVLLQLSNNIAKTVDLQQLFNLTELDQSNNFTNIKEVGLANLTQLTTLHLEENQITEMTDYCLQ
 DLSNLQELYINHNQISTISAHAFAGLKNLLRLHLNSNKLKVIDSRWFDSTPNLEILMIGENPVIGILDMN
 FKPLANLRSVLAGMYLTDIPGNALVGLDSLESLSFYDNKLKVPQLALQKVPKFLDLNKNPIHKIQE
 GDFKNMLRLKELGINNMGELVSDRYALDNLPELTKLEATNNPKLSYIHLAFRSVPALESMLNNNALN
 AIYQKTVESLPNLREISIHNSPLRCDVHWINSNKTNIRFMEPLSMFCAMPPEYKGHVKEVLIQDSSE
 QCLPMISHDSFPNRLNVDIGTTVFLDCRAMAEPEIYVWTPIGNKITVETLSDKYKLSSEGTLISNIQ
 IEDSGRYTCVAQNVQGADTRVATIKVNGTLLDGTQVLKIYVKQTESHILVSWKVNSNMTNLKWSSAT
 MKIDNPHITYTARVPVDVHEYNLTHLQPDYEVCLTVSNIHQQTQKSCVNVTTKNAFAVDISDQETST
 ALAAMVMSMFAVISLASIAVYFAKRFKRKNYHSLKKYMQKTSSIPLNELYPPLINLWEGDSEKDKDGSA
 DTKPTQVDTSRSYMW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6315_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_020873

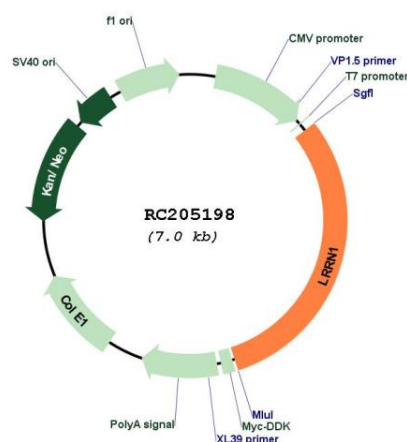
ORF Size: 2148 bp

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](#)

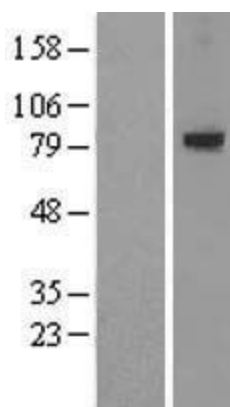
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_020873.4</u>
RefSeq Size:	3823 bp
RefSeq ORF:	2151 bp
Locus ID:	57633
UniProt ID:	<u>Q6UXK5</u>
Cytogenetics:	3p26.2
Domains:	LRRCT, LRR, ig, IGc2, IG
Protein Families:	Druggable Genome, Transmembrane
MW:	80.7 kDa

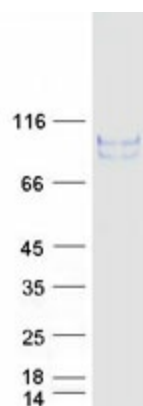
Product images:



Circular map for RC205198



Western blot validation of overexpression lysate (Cat# [LY412240]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205198 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRN1 protein (Cat# [TP305198]). The protein was produced from HEK293T cells transfected with LRRN1 cDNA clone (Cat# RC205198) using MegaTran 2.0 (Cat# [TT210002]).