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Product datasheet for RC204350

LRRN4 (NM_152611) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRN4 (NM_152611) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRN4
Synonyms:	C20orf75; dJ1056H1.1; NLRR-4; NLRR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC204350 representing NM_152611
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGCAAACCCTACCGCTGCTGCTGCTGACGGTGCTGCGCCCCAGCTGGGCAGACCCTCCCCAGGAGA
AGGTCCCGCTCTTCCGGGTCACTCAGCAGGGCCCCTGGGGGAGCAGTGGCAGCAACGCCACCGACTCGCC
CTGCGAGGGGCTGCCCGCCGCGGATGCGACGGCCTTGACCCTGGCGAACCGCAACCTGGAGCGCCTGCCC
GGCTGCCTACCGCGCACACTGCGCAGCCTCGACGCCAGCCACAACCTGCTGCGCGCCCTGAGCACTTCCG
AGCTCGGCCACCTGGAGCAGCTGCAGGTGCTGACCCTGCGCCACAACCGCATCGCCGCGCTGCGCTGGGG
CCCGGGTGGGCCGGCGGGGCTGCACACCCTGGACCTCAGCTACAACCAGCTGGCCGCTCTGCCGCCGTGC
ACCGGGCCCGCGCTGAGCAGCCTCCGCGCCCTGGCGCTCGCCGGGAATCCGCTGCGGGCGCTGCAGCCCC
GGGCCTTCGCCTGCTTCCCCGCGCTGCAGCTCCTCAACCTCTCCTGCACCGCGCTGGGTCGCGGAGCCCA
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CTCAGCGGCACGTTCCTTGAACGGGTTGAGTCAGGGTGGATCAGAGACCTGCCGAAGCTCACATCCCTCT
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GCTGGACTGTCAGGACTCCCCAGCACTTGCTTCTGTCGCCACACACATCTTTCAAGATACTCCACATCTA
CAGGTCCTTCTGTTCCAGAACTGCAACTTGAGTTCCTTCCCTCCTTGGACCCTGGATTCCTCCCAGGTCC
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GAGAACTGTCCTAAGCAGGGCAGCAGACACTATGTGCGCGCCAGCTGCGGGATCCAGCGGCCCCTTCTCA
GCCTCCCTGTCACTCTCCCAGCTGCCCGGAGTGTGCCAGTCCGACCAAAGCACCACTCTCGGGGCTTCAC
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CCGGCCTGCGGGAGACCAGCAGAGTGTCTCCAAGGCCCCTAACGTGGGCTCTCGCACGATAGCTGCATGG
CCGCACAGCGATGCACGGGAGGGGACTGCCCCCTCCACGACCAACTCTGTAGCAGGTCACAGCAACTCCA
GCGTTTTCCCCAGGGCTGCCAGCACCACCAGGACCCAGCACCGAGGAGAACATGCCCCCGAGCTTGTCCT
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GACCGCAGCATAAGCTCGCCTCAGCCCGGCCAGAGGACACACGCCACACCCCAAGCCCCCAACCCGAGTC
TTTCCGAGGGCGAGATTCCAGTCTTGCTGCTGGACGACTACAGTGAGGAGGAGGAAGGGAGGAAGGAGGA
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GAGCTGCAGAGGCGGTGGCGGTGCCGGTGCCCCGGCCTCAGCGGGGAAGACACCATCCCAGACCCGCCCA
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GCCACGGCCCGGCAGCACCCTCTGTACGGGCTGTCGCCGGGCACCACCTACCGCGTGTGCGTGCTGGCGG
CCAACAGGGCGGGCTTGAGCCAGCCACGGTCTTCGGGCTGGAGGAGCCCGTGCGCCGCCTTCACCACCAA
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CTGTCCGCATGTCTCTGCAGGCGGGGCCAGACGCTGGGCCTGCAGCGCTGCGACACGCACCTGGTGGCCT
ACAAAAACCCGGCCTTTGATGATTACCCGCTGGGGCTCCAGACCGTCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204350 representing NM_152611
Red=Cloning site Green=Tags(s)

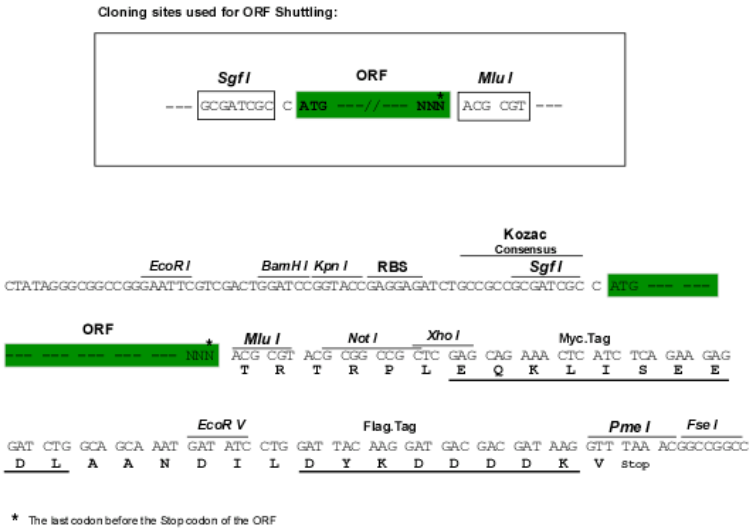
MRQTLPLLLLTVLRPSWADPPQEKVPLFRVTQQGPWGSSGSNATDSPCEGLPAADATALTLANRNLERLP
GCLPRTLRSLDASHNLLRALSTSELGHLEQLQVLTLRHNRIAALRWGPGGPAGLHTLDLSYNQLAALPPC
TGPALSSLRALALAGNPLRALQPRAFACFPALQLLNLSCTALGRGAQGGIAEAAFAGEDGAPLVTLEVLD
LSGTFLERVESGWIRDLPKLTSLYLRKMPRLTTLEGDIFKMTPNLQQLDCQDSPALASVATHIFQDTPHL
QVLLFQNCNLSSFPPWTLDSSQVLSINLFGNPLTCSCDLSWLLTDAKRTVLSRAADTMCAPAAGSSGPFS
ASLSLSQLPGVCQSDQSTTLGASHPPCFNRSTYAQGTTVAPSAAPATRPAGDQQSVSKAPNVGSRTIAAW
PHSDAREGTAPSTTNSVAGHSNSSVFPRAASTTRTQHRGEHAPELVLEPDISAASTPLASKLLGPFPTSW
DRSISSPQPGQRTHATPQAPNPSLSEGEIPVLLLDDYSEEEEGRKEEVGTPHQDVPCDYHPCKHLQTPCA
ELQRRWRCRCPGLSGEDTIPDPPRLQGVTETTDTSALVHWCAPNSVVHGYQIRYSAEGWAGNQSVVGVIY
ATARQHPLYGLSPGTTYRVCVLAANRAGLSQPRSSGWRSPCAAFTTKPSFALLLSGLCAASGLLLASTVV
LSACLCRRGQTLGLQRCDTHLVAYKNPAFDDYPLGLQTVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152611

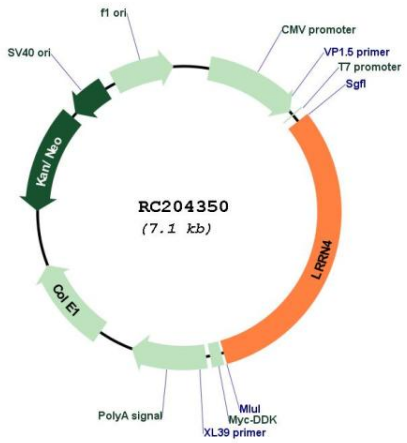
ORF Size: 2220 bp

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

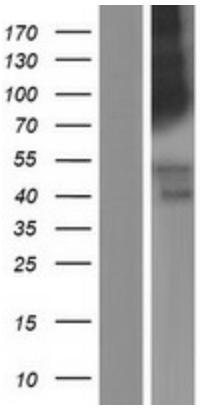
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
RefSeq:	NM_152611.5
RefSeq Size:	2982 bp
RefSeq ORF:	2223 bp
Locus ID:	164312
UniProt ID:	Q8WUT4
Cytogenetics:	20p12.3
Protein Families:	Transmembrane
MW:	78.8 kDa
Gene Summary:	May play an important role in hippocampus-dependent long-lasting memory. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC204350



Western blot validation of overexpression lysate (Cat# [LY407416]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204350 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).