

## Product datasheet for RC200951

### LRRC61 (NM\_023942) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC61 (NM_023942) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC61
Synonyms:	HSPC295
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200951 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACCCTCCAGCGGAGAAGCCGGGAGAGGCTGGCGGACTGCAGATCACACCCAGCTGCTGAAGTCAC  
GCACAGGCGAGTTCTCCCTGGAGTCCATCCTGCTACTGAAGCTGCGTGGCTTGGGACTGGCTGACCTGGG  
CTGCCTGGGAGAGTGCCTGGCCTGGAGTGGCTGGACCTATCAGGCAACGCGCTCACCCACCTGGGCCCC  
CTGGCCTCCTTGCGCCAGCTAGCTGTGCTCAATGTCTCCAACAATCGGCTGACGGGCTGGAGCCACTGG  
CCACCTGTGAGAACTTGCAGAGTCTCAATGCCGAGGCAACCTACTGGCCACCCGGCCAGCTGCAGTG  
TCTGGCTGGGCTACCGTGCCTGGAGTACCTGCGGCTCCGAGACCCTTTGGCCCGGCTCAGCAACCCGCTC  
TGTGCCAACCCTCCTACTGGGCTGCAGTCCGGGAGCTGCTGCCTGGCCTGAAAGTCATCGACGGTGAGC  
GTGTGATTGGGCGTGGTAGTGAGTTCTACCAGCTGTGCCGAGACCTGGACAGCTCCTTGCCTCCAGCTC  
CAGTCCAGGCCCCAGAGCCACCGAGGCCAGCCCTGGGTGGAGCCAGGCTACTGGGAGTCTGGCCAGC  
CGGAGCAGCTCCATCCTGGAGGAGGCTGCCGGCAGTTCCAGGACACACTGCAGGAGTGTGGGACCTGG  
ACCGCCAGGCCAGCGACAGCCTGGCCAGGCGGAGCAGGTACTCAGCTCTGCGGGCCCCACCTCTTCCT  
CGTCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC200951 protein sequence  
Red=Cloning site Green=Tags(s)

MDPPAEKPGEAGGLQITPQLKSRTEGFSLESILLKLRGLGLADLGLGCECLGLEWLDL SGNALTHLGP  
 LASLRQLAVLNVSNNRLTGLEPLATCENLQSLNAAGNLLATPGQLQCLAGLPCLEYLRRLRDLARLSNPL  
 CANPSYWAAVRELLPGLKVIDGERVIGRGSEFYQLCRDLSSLRPSSSPGPRATEAQPWVEPGYWESWPS  
 RSSSILEEACRQFQDTLQECWDLDRQASDSLAQAEQVLSAGPTSSFVF

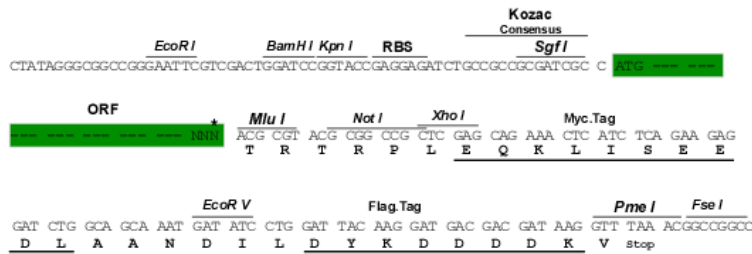
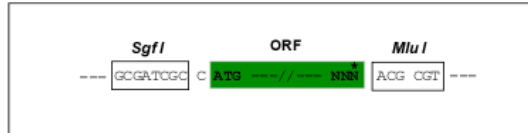
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6386\\_c11.zip](https://cdn.origene.com/chromatograms/mk6386_c11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_023942

**ORF Size:** 777 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\\_023942.3](#)

**RefSeq Size:** 1809 bp

**RefSeq ORF:** 780 bp

**Locus ID:** 65999

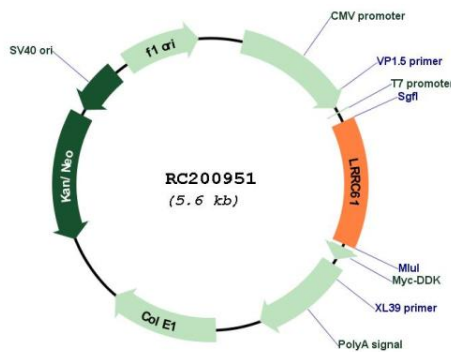
**UniProt ID:** [Q9BV99](#)

**Cytogenetics:** 7q36.1

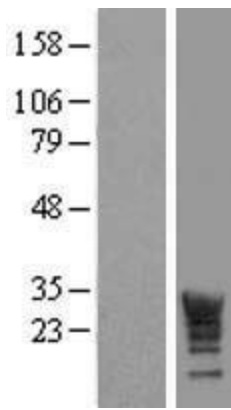
**Domains:** LRR

**MW:** 28 kDa

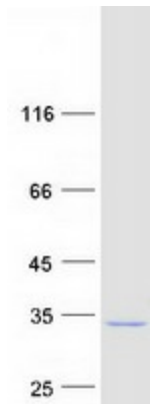
**Product images:**



Circular map for RC200951



Western blot validation of overexpression lysate (Cat# [LY428296]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226959] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRR61 protein (Cat# [TP300951]). The protein was produced from HEK293T cells transfected with LRR61 cDNA clone (Cat# RC200951) using MegaTran 2.0 (Cat# [TT210002]).