

Product datasheet for **RC201955**

LRRC42 (NM_052940) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC42 (NM_052940) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC42
Synonyms:	dj167A19.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC201955 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTACTACCTCAGCTCAGAAAACCACTGGACCCAGGGCCCATCTACATGCGAGAAAATGGGCAGC
 TGCACATGGTCAATCTGGCTCTGGATGGTGTGAGGAGTAGCCTGCAGAAGCCAAGGCCTTTCAGACTGTT
 CCCCAGGCTTTTCTGTGGAGCTTTCATGAACAGGGAAGACGACACTGCACGGAAGAGAAGACTGAT
 CATTTCATCTTACATACACCCGAGAGGGGAATCTTCGGTACTCCGCCAAATCCCTCTTCAGCCTTGTC
 TGGGTTTCATCTCCGACAATGTGGATCACATTGATTCCTTATTGGCTTTCCTGAGCAGATTGCTGAAAA
 GCTGTTCTCTGCTGCTGAAGCCAGACAGAAATTCAGTGCAGGTCAGGGCTGAGGGCTTACAGAAA
 TTTACTGAGGCCTATGGAAGTTTGGTCTTGTCTCCCTGTGTTTGCAGAACAGGTATCTCGTGATTTTTCAG
 AAAAGCTTGAGGAGATTAAGTCTTTCGGGAGCTGACCTGCCTGGATCTTCTGTTGCAAGCTTGAGAG
 TGAGCATGAACCTCTAGAACATCTACCAATGAAGCCCTGTCTAGTGAACCTCAGCTCCACCTGAAGGAT
 AATTGTTTATCTGATGCTGGGGTGCAGGAAGATGACAGCACCAGTTCGAGTGATGAAAAGAGGCCTTGAGA
 ATCTAACATTATTAGACTTATCATGTAACCTGAGATCACAGATGCAGGCATTGGATACCTCTTTCTTT
 TAGGAACTAACTGCTTAGATATCTCTGGGACAGGGCTCAAGGACATCAAAACCGTCAAGCACAGCTC
 CAGACCCACATAGGCCTTGTTCACTCCAAAGTGCCCTTGAAGGAATTTGATCATAGTAAGTCAAGACAG
 AGGGCTGGGCTGACCAGATCGTTCTGCAGTGGGAGCGTGTGACTGCGGAAGCTGTGAAGCCACGGGAGAC
 CTCGGAGCCTAGAGCAGCAGCTCAGCGCTTCTATGGGAAGCGGTCTCGAGCAGAAGCCCCACTGAAGTGT
 CCCCTGGCAGACCCACATGAACCTTCCGAGAACTCCAGTTCTATAAAGAGAAAGCCCCAGATTGCC
 ATGGGCCAGTGTGAAACACGAAGCTATCTCAAGCCAGGAGTCAAAGAAGAGCAAGAAGAGACCTTTTGA
 GGAGTCAGAGACAGAACAGAATAACTCTTCAACCTTCAAAGCAGAAATATGTATGTCTTGTCTGTGGAA
 GACTGGGACTTGTTAAATTCCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201955 protein sequence
 Red=Cloning site Green=Tags(s)

MSYYLSSSENHLDPGPIYMRENGQLHVMNLALDGVRSLLQKPRPFRLFPKGFVSLCMNREDDTARKEKTD
 HFIFTYREGNLRYSKSLFSLVLGFISDNVDHIDSLIGFPEQIAEKLFSAAEARQKFTEPGAGLRALQK
 FTEAYGSLVLCCLRNRYLVISEKLEEKSFRELTCLDLSCCKLGDEHELLEHLTNEALSSVTQLHLKD
 NCLSDAGVRKMTAPVRVMKRGLENLTLLDLSCNPEITDAGIGYLFSTRKLNCLDISGTGLKDIKTVKHKL
 QTHIGLVHSKVPKKEFDHSNCKTEGWADQIVLQWERTVAEAVKPRETSEPRAAAQRFYGRKSRAEAPLKC
 PLADTHMNSSEKLQFYKEKAPDCHGPVLKHEAISSQESKSKSRPFEESETEQNNSSQPSKQKYVCLAVE
 DWDLNLSY

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk6310_d09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_052940

ORF Size: 1284 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_052940.5](#)

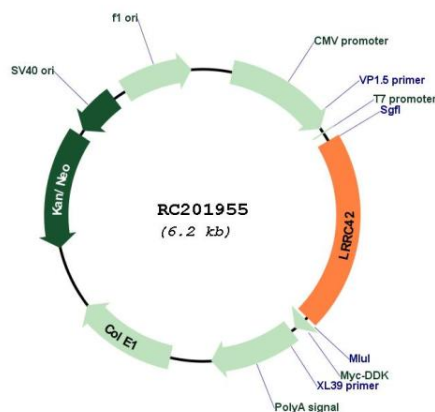
RefSeq Size: 1770 bp

RefSeq ORF: 1287 bp

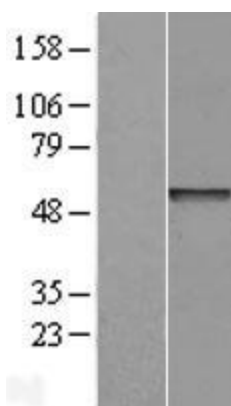
Locus ID: 115353

UniProt ID: Q9Y546
 Cytogenetics: 1p32.3
 Domains: LRR
 MW: 48.6 kDa

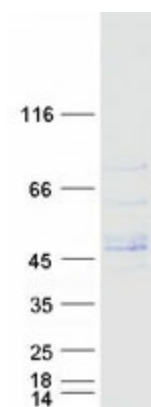
Product images:



Circular map for RC201955



Western blot validation of overexpression lysate (Cat# [LY409375]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201955 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRC42 protein (Cat# [TP301955]). The protein was produced from HEK293T cells transfected with LRRC42 cDNA clone (Cat# RC201955) using MegaTran 2.0 (Cat# [TT210002]).