

## Product datasheet for **RC213168**

### **LRRC71 (NM\_144702) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | LRRC71 (NM_144702) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                   |
| Symbol:                   | LRRC71                                    |
| Synonyms:                 | C1orf92                                   |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>RC213168 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCG  
 GCCC

ATGTCTGAGCGAGCAGAGCGCGCCGGGGCCTACCCAGGCCCCGCGTCCGGGGACCCAGAAGTCTTCTG  
 GCGCGGTGACCAAAAGGGAGAGCGCGCGCCAAAGAGAAGCCAGCGACCGTTCTGCCTCCCGTGGGGGA  
 GGAGGAGCCCAAAAGCCCTGAGGAGTACCAAGTGTCCGGGGTCTCGAGACCGACTTCGCCGAGCTCTGC  
 ACGCGGTGGGGCTACACGGAATCCCCAAAGTTGTCAACCGGCCCGCCCCACCGCCCTTCGTCCTCT  
 CCGCTCTTTGTCGAAAAGGCCACCTTAGACGATCCGCGGTGTGCGGGTCTGCAGCCTCAATAGCCT  
 GGAGAGCAATACGTGTTCTTCCGGCCACCATCCAGTGGAGCTGGAGCAGGAGGACAGCAAGTCAGTG  
 AAGGAAATCTACATCCGCGGTTGGAAGGTTGAGGAACGATTCTGGGTGTCTTCTCTAAATGTCTGCCCC  
 CGCTTACCCAGCTACAGGCCATCAACTTGTGGAAGGTGGGGCTGACCGATAAGACCCTGACCACCTTCAT  
 CGAGCTCTGCCTCTCTGTTTCATCCAGCTCAGGAAGGTGTCTCTGGAGGGGAACCCACTGCCGGAGCAG  
 TCCTATACAAAGCTCATGGCCTTGGACAGCAGATTGCGCACTTGTCTCTGCGGAACAATAACATCGACG  
 ACCGCGGGGCGCAACTCCTGGGCCAGGCGCTGTCCACGCTGCACAGCTGCAACCGGACCCCTCGTCTCGCT  
 CAACCTGGGTTTCAACCACATCGGTGACGAGGGCGCAGGCTACATCGCGGACGGCCTCCGGCTGAACCGT  
 TCCCTGCTCTGGCTGTCCCTGGCCACAAACCGCATCCAGGACAAGGGCGCCCTGAAGCTGGCTGAGGTCC  
 TGCGCGCCTTCGAGCTGACACACACCGAAGTGGTGGAGCGCCGACGCTCCTGCTGGAAGAGGGACACA  
 GGAGCGCTCGCGATCGCCTCCTCTCTCGACACGGGGACTCCAAACGGACCGTGAGAAGAGTCAGATG  
 GTAGGGATCAGCAATAGTGATTGGTGGACAAGACAGACAAGACGAGACAATGAAACCCCTAAGGGCC  
 TGGGCAAGAAAAAGGAGAAATCATGGGAATTGGCCAAGAAAGAGGAGAAGTTGGGGTCTGGGCAGTCACC  
 CACACAAGGAACCCCTAAGAAGGAAGATGCCACAAAGGCAGGCAAGGGGAAGGTAAACATCCCTGAACAG  
 AAGCCAAGCAGGGCAAAAGGGATCAAGATCGGGAGCAGAGAGAAGCGCAGCATCCTCTGGAGTCCGAGC  
 TGGTTGTTGAGGCTACTGAGGTGGTCAACCCTCCTCTGGAGCCTGTGGAGACCGAGATGGGAAAGTTT  
 CATGCCTGGGAACAAGTCTTTTGCACCTCAACCTCATCCGGAACCGCATCACAGAGGTGGGGCTGGAG  
 GGCTTCTCGCCACAGTGCAGTATCAGATGCAGTTCTCCAAGGCCAAGAGTGCATCAAGGGTCCAGTGG  
 GGCTGCTGTGGTGTCCCTGGCTAAAAATTGCTTCGCCCCACAATGTCTGCGTACGCCATAATCCAGGA  
 GCTGATGTTGCCAAGGGATCCCATCAAGGCCAACTCAGGGAGGATGAGGCCATGGCATTCTTCCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

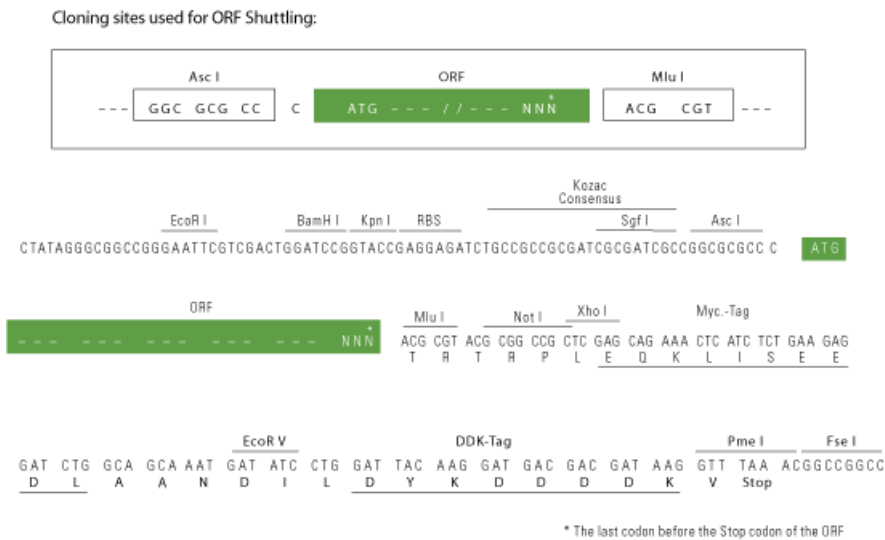
>RC213168 protein sequence  
 Red=Cloning site Green=Tags(s)

MSSEQSAPGASPRAPRPGTQKSSGAVTKKGERAAKEKPATVLPVVGEEEPKSPEEYQCSGVLETDF AELC  
 TRWGYTDFPKVVNRPRPHPPFVPSASLSEKATLDDPRLSGSCSLNSLESKYVFFRPTIQVELEQEDSKSV  
 KEIYIRGWKVEERILGVFSKCLPPLTQLQAINLWKVGLTDKLTTFIELLPLCSSTLRKVSLEGNLPEQ  
 SYHKLMALDSTIAHLRLNNIDDRGAQLLQALSTLHSCNRTLVSLLNLFNHIGDEGAGYIADGLRLNR  
 SLLWLSLAHNRIQDKGALKLAEVLRAFELTHTEVVERRLLLEKGTQERSRSPSSSRHGDSKTDREKSQM  
 VGISNSALVDKTDKTQMTKPKGLGKKKEKSWELAKKEELGSGQSPTQGTPKKEDATKAGKGKVTIPEQ  
 KPSRAKGIKIGSREKRSILLESELVVEATEVVNPLLEPVEHRDGKVFMPGNKVLLHLNLIRNRITEVGLE  
 GFLATVQYQMFSKAKSASKGPVGLLWLSLAKNCFAPQCPAYAI IQELMLPRDPIKAKLREDEAMAFFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Ascl-MluI

**Cloning Scheme:**


**ACCN:** NM\_144702

**ORF Size:** 1677 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\\_144702.2](#), [NP\\_653303.2](#)

**RefSeq Size:** 1989 bp

**RefSeq ORF:** 1680 bp

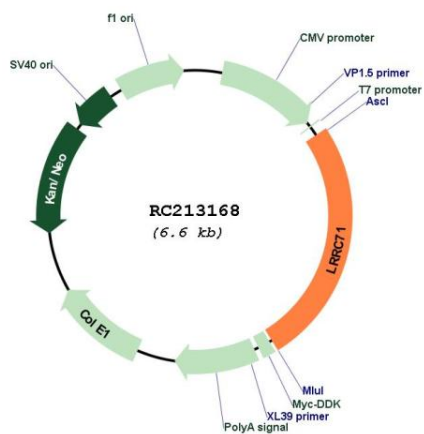
**Locus ID:** 149499

UniProt ID: Q8N4P6

Cytogenetics: 1q23.1

MW: 61.8 kDa

## Product images:



Circular map for RC213168