

## Product datasheet for **RC226033**

### **LRRC70 (NM\_181506) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LRRC70 (NM_181506) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC70
Synonyms:	SLRN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC226033 representing NM\_181506  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGTGGATTACAGTTTTCTCTGCCTTGCTACGACTGTTTCTGGTTGTACCTGTTATCTTTTATTAT  
 TACTCCACAAAGAAATACTTGGATGTTCTGCTGTTTGTACGCTCTGCACTGGGAGACAAATTAAGTCCG  
 TAACCTTAGGCCTTTCGAGTATTCCTAAGAATTTTCTGAAAGTACAGTTTTTCTGTATCTGACTGGGAAT  
 AATATATCTTATATAAATGAAAGTGAATTAACAGGACTTCATTCTTGTAGCATTGATTTGGATAAAT  
 CTAACATTCTGTATGTATATCCAAAAGCCTTTGTTCAATTGAGGCATCTATTTTTCTATTTCTAAATAA  
 TAATTTTCATCAAACGCTTAGATCCTGGAATATTTAAGGGACTTTTAAATCTTCGTAATTTATATTTACAG  
 TATAATCAGGTATCTTTTGTCCGAGAGGAGTATTTAATGATCTAGTTTCAGTTCAGTACTTAAATCTAC  
 AAAGGAATCGCCTCACTGTCCTTGGGAGTGGTACCTTTGTTGGTATGGTGTCTCTCGGACTTGGATTT  
 ATCAAACAATAACATTTTGGAGATATCAGAATCAGGCTTTCAACATCTTGAACCTTGGCTGTTTGTAT  
 TTAGGAAGTAATAATTTAACAAAAGTACCATCAAATGCCTTTGAAGTACTTAAAAGTCTTAGAAGACTTT  
 CTTTGTCTCATAATCCTATTGAAGCAATACAGCCCTTTGCATTTAAAGGACTTGGCAATCTGGAATACCT  
 CCTCTGAAAAATTAAGAATTAGGAATGTTACTAGGGATGGGTTTAGTGGAAATTAATACTTAAACAT  
 TTGATCTTAAGTCATAATGATTTAGAGAATTTAAATCTGACACATTCAGTTTGTAAAGAATTTAATTT  
 ACCTTAAGTTAGATAGAAACAGAATAATTAGCATTGATAATGATACATTTGAAAAATAGGGAGCATCTTT  
 GAAGATCCTTAATCTGTCATTTAATAATCTTACAGCCTTGATCCAAGGGTCTTAAAGCCGTTGTCTTCA  
 TTGATTCATCTTCAGGCAAATTTAATCCTTGGGAATGTAAGTCAAACCTTTTGGCCTTCGAGACTGGC  
 TAGCATCTTCAGCCATTACTCTAAACATCTATTGTCAGAATCCCCATCCATGCGTGGCAGAGACTTACG  
 TTATATTAACATTACAAATTTGTGTTACATCTTCAATAAATGTATCCAGAGCTTGGGCTGTTGTAATACT  
 CCTCATATTCATCACAAGACTACTGCGCTAATGATGGCCTGGCATAAAAGTAAACCACAAATGGCAGTCCCTC  
 TGGAAAAACTGAGACTGAGAACATTACTTTCTGGGAACGAATTCCTACTTCACCTGCTGGTAGATTTTT  
 TCAAGAGAATGCCTTTGGTAATCCATTAGAGACTACAGCAGTGTACCTGTGCAAAATACAACTTACTACT  
 TCTGTTACCTTGAACCTTGGAAAAAACAGTGTCTACCGAATGATGCTGCTTCAATGTCAGGAAAAACAT  
 CTCTAATTTGTACACAAGAAGTTGAGAAGTTGAATGAGGCTTTTGACATTTTGTAGCTTTTTTCATCTT  
 AGCTTGTGTTTTAATCATTTTTTTGATCTACAAAGTTGTTCAAGTTTAAACAAAAACTAAAGGCATCAGAA  
 AACTCAAGGGAAAATAGACTTGAATACTACAGCTTTTATCAGTCAGCAAGGTATAATGTAAGTGCCTCAA  
 TTTGTAACACTTCCCAAATTCCTAGAAAAGTCCCTGGCTTGGAGCAGATTCGACTTCATAACAAATTTG  
 TCCTGAAAATGAGGCACAGGTCATTCTTTTTGAACATTCTGCTTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC226033 representing NM\_181506  
 Red=Cloning site Green=Tags(s)

MCGLQFSLPCLRLFVVTVCYLLLLLHKEILGCSSVCQLCTGRQINCRNLGLSSIPKNFPESTVFLYLTGN  
 NISYINESEL TGLHSLVALYLDNSNILVYYPKAFVQLRHL YFLN NNF IKRLDPGIFKGLLNLRNLYLQ  
 YNQVSFVPRGVFNDLVSVQYLNLRNRLTVL GSGTFVGMVALRILDLSNNNILRISSESGFQHLENLACLY  
 LGSNNLTKVPSNAFEVLKSLRRLSLSHNP IEAIQPF AFKGLANLEYLLLKNSRIRNVTRDGFSGINNLKH  
 LILSHNDLENLNSDTFSLKLNLIYKLDNRNRIISIDNDFENMGASLKILNLSFNLTALHPRVLKPLSS  
 LIHLQANSNPWCNCKLLGLRDWLASSAITLNIYCQNPSPMRGRALRYINITNCVTSSINVSRAWAVVKS  
 PHIHKTTALMMAWHKVTTNGSPLENTETENITFWERIP TSPAGRFFQENAFGNPLETTAVLPVQIQLTT  
 SVTLNLEKNSALPNDAAASMGKTSLIC TQEVEKLN EAFDILLAFFILACVLIIFLIYKVVQFKQKLKASE  
 NSRENLEYYSFYQSARYNVTASICNTSPNSLESPGLEQIRLHKQIVPENEAQVILFEHSAL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8034\\_b09.zip](https://cdn.origene.com/chromatograms/mk8034_b09.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_181506

ORF Size: 1866 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.

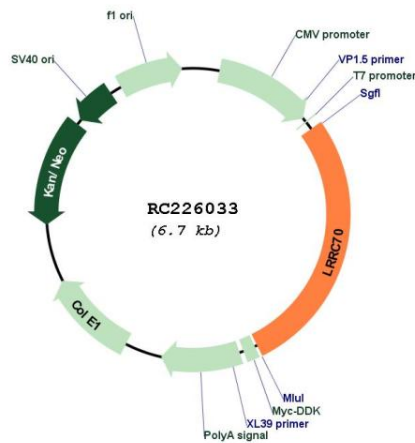
RefSeq: [NM\\_181506.5](#)

RefSeq ORF: 1869 bp

Locus ID: 100130733

UniProt ID: [Q7Z2Q7](#)  
 Cytogenetics: 5q12.1  
 MW: 70.1 kDa  
 Gene Summary: Renders cells highly sensitive to the activation by cytokines and lipopolysaccharide (LPS).  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC226033