

## Product datasheet for **RC232735**

### **LRRC31 (NM\_001277127) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | LRRC31 (NM_001277127) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | LRRC31                                       |
| Synonyms:                 | HEL-S-293                                    |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-Entry (PS100001)                       |
| E. coli Selection:        | Kanamycin (25 ug/mL)                         |



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**ORF Nucleotide Sequence:**

>RC232735 representing NM\_001277127  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGAGTCAAACAAGGAAGAAAACCTCCTCAGAAGGAGAACTAAGCCCCAGACTTCAACTGTCAACAAAT  
 TTCTCAGGGGCTCCAATGCTGAAAGCAGAAAAGAGGACAATGACCTTAAACAAGTGATTCCCAACCCAG  
 CGACTGGATACAGAAGACAGCCACCTCAGAGACTGCTAAGCCTCTCAGTTCAGAAATGGAATGGAGATCC  
 AGTATGGAGAAAAATGAGCATTTCCTGCAGAAGCTGGGCAAAAAGGCTGTCAACAAGTGTCTAGATTTGA  
 ATAAGTGTGGATTAACAACAGCGGACATGAAAGAAATGGTTGCCTTGTGCCTTTTCTCCAGACTTGGA  
 AGAACTGGATATCTCCTGGAATGGTTTTGTAGGTGGAACCTCCTTCCATCACTCAGCAATGCATCTG  
 GTCAGCAAGTTAAAAATCTTGAGGCTGGTAGCTGCAGACTCACCCTGACGATGTTCAAGCACTGGGAG  
 AAGCATTGAGATGATTCTGAAGTGAAGAGCTAAATTTGTCTTGAACAGTAAAGTGGGAGGAAATTT  
 GCCTCTGATCCTCAGAAGTTCCAAAAAGGAGCAAGATACAAATGATTGAGCTTGTGGATTGCTCCCTC  
 ACGTCAGAAGATGGGACATTTCTGGGTCACTGCTACCTATGCTGCAAGTCTCGAAGTACTTGATCTTT  
 CCATTAACAGAGACATTGTTGGCAGTCTGAACAGTATTGCTCAGGGATTAAGACACCTCAAATCTGAA  
 AGTACTGAAGTTACATTCATGTGGATTATCACAAAAGAGTGTCAAATATTGGATGCTGCTTTTAGGTAT  
 TTGGGTGAGCTGAGGAAATAGATCTTCTGCAATAAGGATCTAGGTGGAGGTTTTGAAGACTCGCCGG  
 CTCAGTTGGTCATGCTAAAGCATCTACAAGTCTAGATCTTACCAGTGTCTACTAACAGCAGATGACGT  
 GATGTCAGTACCCAGGTCATTCCTTTACTTTCAAATCTTCAAGAATTGGATTTATCAGCCAACAAAAAG  
 ATGGGCAGTCTTCTGAAAACCTTACTCAGCAGGCTCCGATTTTACCAGCATTGAAGTCATTAGTTATCA  
 ACAACTGTGCTTTGGAGAGTGAGACTTTTACAGCTCTTGTGAAGCCTCTGTTACCTCTCTGCTCTGGA  
 AGTATTCAACCTTTCTTGAACAAGTGTGTTGGTGGCAACTTGAAGCTGCTTCTGGAACACTAAAGCTT  
 TCCATGTCTCTTCAAGTGTGAGGCTGAGCAGCTGTTCCCTGGTGACAGAGGATGTGGCTCTCTGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232735 representing NM\_001277127  
 Red=Cloning site Green=Tags(s)

MSQTRKKTSSGETKPQTSTVNKFLRGSNAESRKEDNDLKTSDSQPSDWIQKTATSETAKPLSSEMEWRS  
 SMEKNEHFLQKLGGKAVNKCLDLNCCGLTTADMKEMVALLPFLPDLEELDISWNGFVGGTLLSITQQMHL  
 VSKLILRLGSCRLTTDDVQALGEAFEMIEPEELNLSWNSKVGGNPLILQKFQKGSKIQMIELVDCSL  
 TSEDGTFLGQLPMLQSLEVLDSLNRDIVGSLNSIAQGLKSTSNLKVLLHSCGLSQKSVKILDAAFRY  
 LGELRKLDLSCNKDLGGGFEDSPAQLVMLKHLQVLDLHQCSLTADDVMSLTQVIPLLSNLQELDLANKK  
 MGSSENLLSRLRFLPALKSLVINNCALESETFTALAEASVHLSALEVFNLWNKCVGGNLKLLLETLLK  
 SMLQVLRLLSSCSLVTEVALLE

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001277127

**ORF Size:** 1329 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\\_001277127.2](#)

**RefSeq Size:** 2561 bp

**RefSeq ORF:** 1332 bp

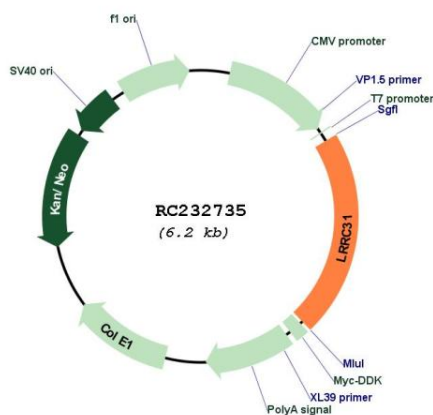
**Locus ID:** 79782

UniProt ID: Q6UY01

Cytogenetics: 3q26.2

MW: 49.2 kDa

### Product images:



Circular map for RC232735