

## Product datasheet for **RG212682**

### **LRRC27 (NM\_030626) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | LRRC27 (NM_030626) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | LRRC27                                    |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>RG212682 representing NM\_030626  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGAAGCAGCTCCTACGAAGTTCCTCTGTGGCTGCTGCTGATCTGGAGGAGGGTCTGGTCTCAGA  
 CTAGGAGCTTGCTGCCACCCCTCCAAAGATGTTACAAGGGTGTGGAGGCATCATCTTTTCCTCCTC  
 ACCGATTTTAGACTTGAGTGAAAGTGGTCTGTGCCGTTTGGAGGAGGTCTTTAGAATCCCCAGCCTTCAA  
 CAATTGCATCTGCAAAGGAATGCCCTGTGTGATTCTCAAGATTTCTTCAGTTGCTCCGAACCTGA  
 CTTGGCTGGACCTCCGGTACAATAGAATTAAAGCGCTTCTTCTGGGATTGGAGCTACCCAGCATTTGAA  
 AACTTTGCTTTTAGAAAGAAATCCTATCAAAATGTTACCTGTGGAGCTGGGGAGCGTAACCCAGCTGAAA  
 GCACTGAACCTAAGACACTGCCCTCTGGAATTCCTCCTCAGCTCGTTGTGCAGAAAGGATTGGTGGCTA  
 TCCAGCGCTTCTGCGGATGTGGGAGTAGAACACTCTCTCCCAGAAATCCAATTCTCAAGAGGCTCC  
 ACCGGTTAGAGAGATGACCTCCGTGACCTCCGAGCCAGGACTGGAGTTGTCTGGAGACCACGCGTCT  
 AACCAAGGAGCTGTGAACGCTCAGGACCCAGAGGGGGCTGTGATGAAAGAGAAGGCCAGCTTTCTCCAC  
 CTGTGGAAAAGCCAGACCTGAGTGAAGTCAAGGAGTCTGCGGACTCCTCAGAGAAGTGGCCAGCGAGGA  
 GGAGATCAGGCGCTTTTGAAGCTGAGGAGGAGATTGTTGAGCAGCTGAAGGCAGACGTTCTGGGAGAT  
 CAGCTCTTGACGAGGGAATTACCTCCAAATCTCAAGGCGCCTTGAACATTGAGAAAGAACTACCAAGC  
 CAAGACACGTTTTTCAGAAAGAACAGCCTCCTCCAGGAGCATCTTACCCGACCTCTTGTCACCGTACCA  
 AATGGCGATCCGAGCAAAAGACTGGAAGAGAGCCGAGCGGCGGCTCCGAGAGCTCCAGGAGAAGCAG  
 GCTCTGATGGAGCAGCAGAGACGAGAGAAAAGGCACTGCAGGAGTGGAGAGAGCGAGCCAGAGGATGA  
 GGAAGAGGAAGGAGCTCAGCAAACTCCTGCCTCCGCGGAGGAGCATGGTGGCATCAAAGATTCCTC  
 TGCCACAGATCTGATAGATAACAGGAAAGTACCACTGAATCCGCTGGAATAATGAAACCAAGCAAGAG  
 AAATCGCCACAAGCAAGTAAAGAAATGAGTGCCCTGCAGGAGAGAAATTTAGAAGAGAAGATAAAACAGC  
 ACGTCTCCAAATGCGTGAGCAAGAAGATTCCATGGCCAGGCCCACTGGAGGAGATGAGGAAGGCTGC  
 CGAGGATCTGGAATGGCACAGAGCTACAGGATGAAGTATTGAAGCTAAAATTGGGATTAACTTGAAC  
 AAAGATCGTCGACGGGCGGCCCTCACTGGAAACCTTTCGCTTGGCTGCCGCGAGCACAGCCTCAAATA  
 CATTTTTTAACACAAAATATGGAGAATCAGGAAATGTTTCGAGATACCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

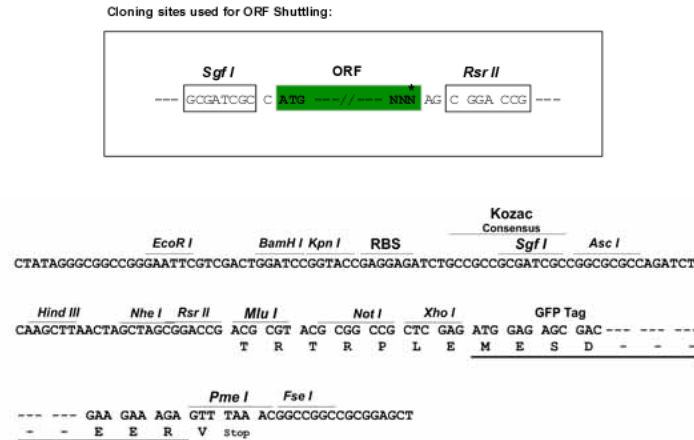
>RG212682 representing NM\_030626  
 Red=Cloning site Green=Tags(s)

MEGSSSYEVPSVAAADLEEGAGQTRSLPATPSKDVHKGVGGIIFSSSPILDLSEGLCRLEEVFRIPSLQ  
 QLHLQRNALCVIPQDFQLLPNLTWLDLRYNRIKALPSGIGAHQHLKTLLELNPIKMLPVELGSVTTLK  
 ALNLRHCPLFPPQLVVQKGLVAIQRLRMWAVEHSLPRNPTSQEAPPVREMTLRDLPSGLELSDHAS  
 NQGAVNAQDPEGAVMKEKASFLPPVEKPDLSLRKSADSENWPEEEIRRFWKLQEIIEHVKADVLGD  
 QLLTRELPPNLKAALNIEKELPKPRHVFRRTASSRSILPDLLSPYQMAIRAKRLEESRAAALRELQEKQ  
 ALMEQQRREKRALQEWREARMRKRKEELSKLLPPRRSMVASKIPSATDLIDNRKVPLNPPGKMKPSKE  
 KSPQASKEMSALQERNLEEKIKQHVLMREQRFFHGQAPLEEMRKAEDLEIATELQDEVLKLLGLTLN  
 KDRRRAALTGNLSLGLPAAQPQNTFFNTKYGESGNVRRYQ

SGP**TRTRRLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_030626

**ORF Size:** 1590 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\\_030626.3](#)

**RefSeq Size:** 6382 bp

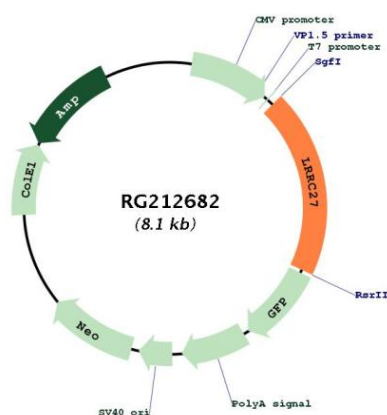
**RefSeq ORF:** 1593 bp

**Locus ID:** 80313

**UniProt ID:** [Q9C0I9](#)

**Cytogenetics:** 10q26.3

## Product images:



Circular map for RG212682