

## Product datasheet for **RG216663**

### **FBXL19 (NM\_001099784) Human Tagged ORF Clone**

#### **Product data:**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | TurboGFP                |
| <b>Symbol:</b>                   | FBXL19                  |
| <b>Synonyms:</b>                 | CXXC11; Fbl19; JHDM1C   |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)  |



**ORF Nucleotide Sequence:** >RG216663 representing NM\_001099784  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGTATGAAAGTCCCGGAAAGGGGAATCTGGGCCCTCGGCGTTGCTGACGCCCCCAATGTCGTCGA  
 GCAGCCGGGGGCGGGGCGGAGCGCGCCGACGCCGAACCCGCTGCCGCCGCTGCCGGGCTGTGTGCG  
 AACTGAGTGCGGGATTGCCACTTCTGCCGAGACATGAAGAAGTTCGGGGGGCCCGGGCGCATGAAGCAG  
 TCGTGCCTGCTCCGGCAGTGCCTGCCCCGCTGCCACACACAGCTGTGTGCTCTTGTGTGGGAGG  
 CTGGGAAGGAGGACACGGTGGAGGGAGAGGAAGAGAAATTTGGTTTGAGCCTCATGGAGTGTACAATCTG  
 CAACGAGATCGTCCACCCCGGCTGCCTGAAGATGGGAAGGCTGAGGGTGTCAATGCAGAGATCCCC  
 AACTGCTGGGAGTGCCTCGCTGCACCCAGGAAGGCCGACCCAGCAAGGATTGAGGTGAGGGGCTGGCC  
 GCCGTAGGGCCGACAACGGCGAGGAGGGGCCAGCTTGGGGAGCGGATGGAAGCTGACAGAGGAGCCACC  
 GCTTCCACCGCCCCCGCCAGGCGCAAGGGCCCCCTGCCTGCCGGGCCCCCGGAGGAGCTGCCTGGG  
 CCCCCCAAACGAAAGGAAAGGGAGGAGGGAATGAGCCTCCACCCCAAGGAAAAAGGTGAAAGGAGGCC  
 GAGAGAGGCACCTGAAGAAGGTGGGTGGAGACGCTGCCTCCTCCGAGGATCGGACCCAGGCGGCCGGG  
 CCTGCTGCCCCCCAGGGTTCTGAATCCGAGCCAGGCTTTCTCATCTGCCACCTGGGCTCCCTCCCGAG  
 AACTGGGAGAAACCAAGCCGCTTTGGCCTCTGCAGAGGGCCAGCGGTGCCGTCCCCGTCCCCGAGA  
 GGGAGAAGCTAGAGCGTTTCAAGCGAGTGTGCCAGCTGCTGGAACGGGTGCCTGACACCTCCTCTTCTCT  
 CTCGAGTCAAGTCCGACTCCGACTCTTCGGGCACATCGCTGAGTGAGGACGAAGCCCCCGGCGAGGCC  
 CGGAATGGGCGACGGCCAGCCCGGGCAGCTCTGGCGAGAAGGAGAACCGTGGGGGGCGGGGGTGTGC  
 GCCCTGGCAGTGGGGGGCCCCACTCAGCTGGCCCCCTGGGCCAGCCCCACCACCCGGCTCCACAGCT  
 GGAGCGGCACGTGGTGCAGCCCCCGCTCGAAGCCCTGAGCCCGACACACTCCCTTGGCTGCTGGATCC  
 GACCACCCCTGCCCGGGCCGCTGGCTTCGCGTCTTCCAGCACCTCGGGCCGCGGGAGCTGTGTATCT  
 GCATGCGAGTCTGCCGAACCTGGAGCCGCTGGTGTATGACAAGCGTCTGTGGCTCGAATGGACCTGAG  
 CCGCGGAAGTCACTGACCCCGCCCATGCTCAGTGGTGTGGTTCGCCGCCAGCCCCGTGCCCTGGACCTC  
 AGCTGGACAGGTGTCTCCAAGAAGCAGCTCATGTGGCTTCTGAACCGACTACAAGGCTGACAGGAGCTGG  
 TGCTCTCTGGCTGCTCTGGCTCTCTGTCTCTGCCCTGGGCTCAGCCCCACTGCCAGCCCTGCGGCTCT  
 GGACCTCCGCTGGATCGAGGATGTTAAAGACTCCAGCTCCGGGAGTTGCTGCTGCCTCCACCAGACACC  
 AAACGAGGCAACAGAGAGCCGTGGTGGCTGCAGGGGTGGCAGAACTGCGTCTGGCAGGTTTGGAGC  
 TGACAGATGCCTCCCTGCGTCTCTGCTGCGTCACGACCCAGCTGAGCGCCCTGGACCTGAGCCACTG  
 CGCCACGTCGGGGACCCAGTGTTCACCTCCTCAGGCCCCACGTCCTCCACTCCGCGAGACCTGGTG  
 CACCTCAATCTTGTGTTGCCACCGCCTAACGGACCACTGCCTCCCGTGTTCGCGCGTGCCTCTGTC  
 TACGCCGCTAGACCTGCGCTCTGCCGCCAGCTCTCACCCGAAGCTTGTGCCCGGCTGGCAGCTGCCGG  
 GCCCCTGGCCCCCTCCGCTGCCCTGAGGAGAAGCTGCTTCTCAAGGACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

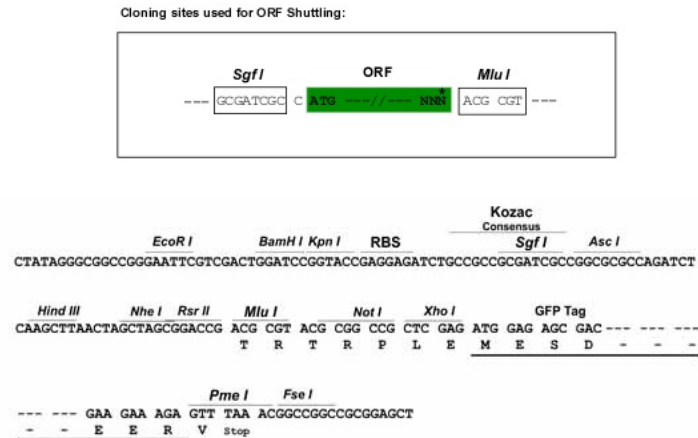
**Protein Sequence:** >RG216663 representing NM\_001099784  
 Red=Cloning site Green=Tags(s)

MGMKVPGKGESGPSALLTPPMSSSRGPGAGARRRTRCRRRCRACVRTECGDCHFCDMCKKFGGPGRMKQ  
 SCLLRQCTAPVLPHTAVCLLCGEAGKEDTVEGEEKFGLSLMECTICNEIVHPGCLKMGKAEGVINAEIP  
 NCWECPRCTQEGRTSKDSGEGPGRRRADNGEAGSLGSGWKLTEEPPLPPPPRRKGPLPAGPPPEDVPG  
 PPKRKEREAGNEPPTPRKKVKGGRERHLKKVGGDACLLRGSDPGGPGLLPPRVLNPSQAFSSCHPGLPPE  
 NWEKPKPLASAEPAVPSPPQREKLERFKRMCQLLERVPDTSSSSDSDSDSSGTSLSSEDEAPGEA  
 RNRGRPARGSSGEKENRGGRRAVRPGSGGPLLSWPLGPAPPPRPPQLERHVVRPPRSPEDTLPLAAGS  
 DHPLPRAAWLRVFQHLGPRELICMRVCRTWSRWYDKRLWPRMDLSRRKSLTPPMLSGVVRQPRALDL  
 SWTGVSKKQLMWLLNRLQGLQELVLSGCSWLSVSALGSAPLPALRLDLRWIEDVKDSQLRELLLPPTD  
 KPGQTESRGLQGVAELELRLAGLELTDASLRLLLRHAPQLSALDLSHCAHVGDPSVHLLTAPTSPLRETLV  
 HLNLAGCHRLTDHCLPLFRRCPRLRLDLRSCRQLSPEACARLAAGPPGPFRCPEEKLLLKDS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_001099784

**ORF Size:** 2082 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.

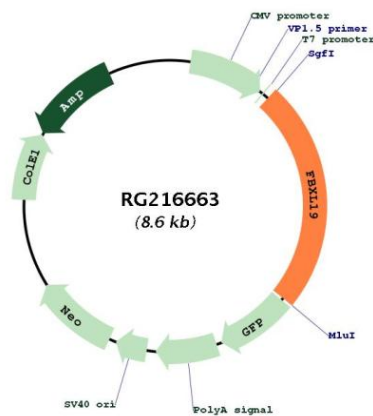
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001099784.3](#)

**RefSeq Size:** 3814 bp

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RefSeq ORF:</b>       | 2085 bp                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>         | 54620                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID:</b>       | <a href="#">Q6PCT2</a>                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cytogenetics:</b>     | 16p11.2                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Families:</b> | Druggable Genome, Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Summary:</b>     | This gene encodes a member of the Skp1-Cullin-F-box family of E3 ubiquitin ligases. The encoded protein is reported to bind to the transmembrane receptor interleukin 1 receptor-like 1 and regulate its ubiquitination and degradation. This protein has been linked to the regulation of pulmonary inflammation and psoriasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013] |

### Product images:



Circular map for RG216663