

## Product datasheet for **RG220401**

### **FBXL18 (NM\_024963) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXL18 (NM_024963) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXL18
Synonyms:	Fbl18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG220401 representing NM\_024963  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAGCTCCGGAGAGACATATCCAATGATGATGATGACATGCACCCTGCAGCAGCCGGATGGCAG  
 ACGGGTCCACCTCCTAGGGTCTCTGATGAGATCCTCCTTACATCCTGAGTCAGTCCCCAGCACAGA  
 TCTGATTCTGAACGTCCGGCGTACCTGTGGAAGCTTGCAGCCCTGTGCCTTGACAAGAGCCTCATCCAC  
 ACCGTGTTGCTGCAAAAGGACTATCAGGCGAGCGAGGACAAAGTGAGGCAGCTGGTGAAGGAGATCGGCC  
 GGGAGATCCAGCAGCTGAGCATGGCTGGCTGCTACTGGCTGCCTGGCTCCACCGTGAACACGTGGCCCG  
 CTGCCGAGCCTGGTGAAGGTGAACCTCTGGGCTGCCACCTCACTTCCCTGCGCCTCTCCAAGATGCTC  
 TCGGCCCTGCAGCACCTGCGCTCGCTGGCCATCGACGTGAGCCCCGGCTTCGACGCCAGCCAGCTGAGCA  
 GCGAGTGAAGGCCACCCTGAGCCGCGTGGGGAGCTCAAGCAGACGCTGTTCACTCCCTCTACGGCGT  
 GGTGCCCTGCTGCACCAGCCTAGAGAAGCTGCTGCTACTTCGAGATTCTGGACCGCACGCGGAGGGC  
 GCCATCCTCTCGGGCCAGCTTATGGTGGCCAGAGCAACGTGCCCACTACCAGAACCTGCGGGTCTTCT  
 ATGCGCGCCTGGCCCCGGCTACATCAACCAGGAGGTGGTGGCGCTCTACCTGGCTGTGCTTAGCGACCG  
 CACTCCTCAGAACCTCCACGCCTTCTCATCTCCGTCCCTGGCAGCTTCGCGGAGAGCGGCCACCAAG  
 AACCTCCTGGACTCCATGGCGCGCAATGTCGTGCTGGATGCCCTGCAGCTGCCAAAGTCTGGTGAACG  
 GCTTTCCTCCTGCAGCACATGAAATTAACAACCCGTTCTACTTCAGTTTCAGCCGCTGTACCCTGTC  
 AGGCGGCCATCTGATCCAGCAGTCAACCGCGGGAAGGACCTGCGGAGCCTGGCCAGCTTGAACCTC  
 AGCGGCTGCGTCCACTGCCTGTCCCCAGACTCGCTGCTCCGAAGGCGGAGGACGACATGCACAGCAGCA  
 TCCTGGAGACTCTGGTGGCGTCTGCTGCAACCTGCGCCACCTGAACCTCTCGGCCCCACCACCACAG  
 CTGGGAGGGCCTGGGCCGCCACCTCTGCCAGCTCCTGGCCGGCTGCGTCACTGCGCTCCCTCTCCCTG  
 CCTGTCTGCTCTGTGCTGACTCCGCGCGCGCGCCGACCGCGCGCCCGCCAGCCGCGCCATGCACGCGAG  
 TGCCGCGCGGCTTTGGCAAGAAAGTGCCTGTGGGCGTGCAGTCTGTCCAGCCCCTTCTCGGGCCAGGC  
 GTGCCCCAGCCCTCCTCCGTGTTCTGGTCTCTGCTGAAGAACCTGCCCTTCTGGAACACCTCGAGCTG  
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 GCCGCGCACAGAGTGTGGGGACTCGGAGGTGGCCGCCATCGGCCAGCTGGCCTTCTGCGGCACCTGAC  
 GCTCGCACAGCTGCCAGCGTCTTACGGGCTCCGGGCTGGTCAATATCGGCCTGCAGTCCAGCAGTTG  
 CGGTCCCTGTGCTGGCCAACTGGGCATGATGGGAAGGTGGTGTACATGCCCGCGCTCTCAGACATGT  
 TGAAGCACTGCAAGCGGCTGAGGACCTCAGGCTGGAGCAGCCCTACTTCAGCGCAACGCCAGTTCTT  
 CCAGGCGCTGAGCCAGTGCCTCGCTGCAGCGCTGTGCTGGTCTCTCGCAGCGGCACCTCCAGCCC  
 GATGCCGTGCTGGCCTTCATGGCTCGCTGCCTGCAGGTTGTCATGTGCCACCTGTTACCGGGGAGTCCC  
 TCGCCACCTGCAAGAGCCTGCAGCAGTCTTCTCCGAGCTTCCAGGCCGAGCGGCCCGGTTAAACGT  
 CGTCATCTCCCTCTGCTCCACGAGGGCCTGACCGACGTCATCCGGGACGTCCCTGGTGCACCTGGAT  
 GAGATCACCTATTTAAGAGCAGAGTGGCCGAGGAACCGCGAACCTGTGGTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG220401 representing NM\_024963  
 Red=Cloning site Green=Tags(s)

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MASSGEDISNDDDDMHPAAAGMADGVHLLGFSDIILLHILSHVPSTDLILNVRRTCRKLAALCLDKSLIH
TVLLQKDYQASEDKVRQLVKEIGREIQQLSMAGCYWLPGSTVEHVARCRSLVKVNLSGCHLTSRLSKML
SALQHLRSLAIDVSPGFDAQLSSECKATLSRVRELKQTLFPTSYGVVPCCTSLEKLLL YFEILDRTREG
AILSGQLMVGQSNVPHYQNLRVFYARLAPGYINQEVVRLYLAVLSDRTPQNLHAFLLI SVPGSFAESGATK
NLLDSMARNVVLDAQLPKSWLNGSSLLQHMKFNPFYFYSRCTLSGGHLIQQVINGGKDLRSLASLNL
SGCVHCLSPDSSLRKAEDDIDSSILETLVASCCNLRHLNLSAAHHHSSEGLGRHLCQLLARLRHLRSLSL
PVCSVADSAPRADRAPAQAMPHAVPRGFGKKVVRVGVQSCSPFSGQACQPSSVFWLKNLPLEHLEL
IGSNFSSAMPNEPAIRNSLPPCSRAQSVGDSEVAAIGQLAFRLHLTLAQLPSVLTGSLVNIQLQCQQL
RSLSLANLGMGKVVYPALSDMLKHCKRLRDLRLEQPYFSANAQFFQALSQCPSLQRLCLVSRSGTLQP
DAVLAFMARCLQVVMCHLFTGESLATCKSLQSSLRSFQAERPALNVVIFPLLHEGLTDVIRDVPLVHLD
EITLFKSRVAEPPNLWW
  
```

TRTRPLE - GFP Tag - V

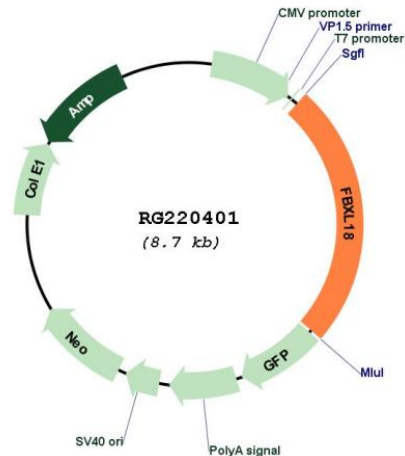
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



## Plasmid Map:



ACCN: NM\_024963

ORF Size: 2154 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\\_024963.6](#)

RefSeq Size: 8253 bp

RefSeq ORF: 2157 bp

**Locus ID:** 80028

**Cytogenetics:** 7p22.1

**Domains:** F-box

**Protein Families:** Druggable Genome

**Gene Summary:** The protein encoded by this gene is a member of a family of proteins that contain an approximately 40-amino acid F-box motif. This motif is important for interaction with SKP1 and for targeting some proteins for degradation. The encoded protein has been shown to control the cellular level of FBXL7, a protein that induces mitotic arrest, by targeting it for polyubiquitylation and proteasomal degradation. Members of the F-box protein family, such as FBXL18, are characterized by an approximately 40-amino acid F-box motif. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains. [provided by RefSeq, Mar 2016]