

## Product datasheet for **RG211381**

### **FBXO9 (NM\_012347) Human Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | FBXO9 (NM_012347) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | FBXO9                                    |
| Synonyms:                 | dj341E18.2; FBX9; NY-REN-57; VCIA1       |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>RG211381 representing NM\_012347  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTGACATTATTTGGGTTTTCCCCCTCAGGCAGAAGCTGAGGAAGATTGTCTATTCTGATACTGTCA  
 GAGCAGATGATGATGAAGAAAATGAAAGTCCTGCTGAAACAGATCTGCAGGCACAACCTCCAGATGTTCCG  
 AGCTCAGTGGATGTTTGAACCTGCTCCAGGTGTAGCTCTAGCAATTTAGAAAATCGACCTTGCAGAGCA  
 GCAAGAGGCTCTCTCCAGAAAACATCGGCAGATACCAAAGGAAAAACAAGAACAGGCAAAAAGAAGAAAAGG  
 CTCGAGAACTCTTCTAAAAGCAGTAGAAGAAGAACAATAAGGAGCTCTCTATGAAGCCATCAAGTTTTTA  
 TCGTAGGGCTATGCAACTGTACCTGATATAGAGTTCAAGATTACTTATACCCGGTCTCCAGATGGTGAT  
 GGGCTTGGAAACAGCTACATTGAAGATAATGATGATGACAGCAAAATGGCAGATCTTTGCTACTTCC  
 AGCAGCAACTCACATTTAGGAGTCTGTGCTTAACTGTGTGAGCTGAGCTTGGAGCAGTCAGATTCA  
 CATATCAGTGTGCCAATGGAGGTCCTGATGTACATCTCCGATGGTGGTGTCTAGTGACTTGGACCTC  
 AGATCATTGGAGCAGTTGTCGCTGGTGTGACAGGATTCTACATCTGTGCCAGAGACCCTGAAATATGGC  
 GTCTGGCCTGCTTGAAGTTTGGGGCAGAAGCTGTATTAACCTGTTCCGTACACGTCCTGGAGAGAGAT  
 GTTTTTAGAACGGCCTCGTGTTCGGTTTGTATGGCGTGTATATCAGTAAAACACATATATTCGTCAGGG  
 GAACAGTCTCTTGATGGTTTCTATAGAGCCTGGCACCAAGTGGAAATATTACAGGTACATAAGATTCTTTC  
 CTGATGGCCATGTGATGATGTTGACAACCCCTGAAGAGCCTCAGTCCATTGTTCCACGTTAAGAAGTAG  
 GAATACCAGGACTGATGCAATTTACTGGGTCACTATCGCTTGTACAAGACACAGACAATCAGACCAAA  
 GTATTTGCTGTAATAACTAAGAAAAAGAAGAAAAACCACTTACTATAAATACAGATATTTTCGTCGTG  
 TCCCTGTACAAGAAGCAGATCAGAGTTTTCATGTGGGGCTACAGCTATGTTCCAGTGGTCACCAGAGGTT  
 CAACAACTCATCTGGATACATCATTCTTGTACATTACTTACAATCAACTGGTGAGACTGCAGTCAGT  
 GCTTTTGAGATTGACAAGATGTACACCCCTTGTCTTCGCCAGAGTAAGGAGCTACACAGCTTTCTCAG  
 AAAGGCCTCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG211381 representing NM\_012347  
 Red=Cloning site Green=Tags(s)

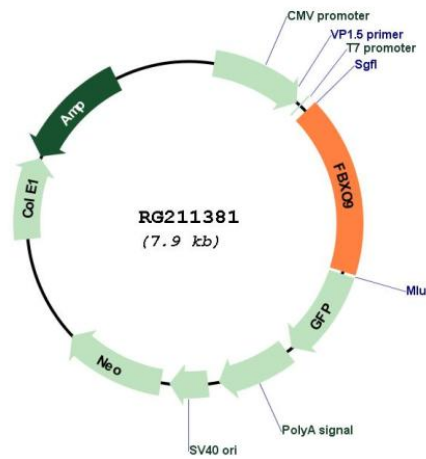
MPDIIWVFPQAEAEEDCHSDTVRADDDEENESPAETDLQAQLQMFRAQWMFELAPGVSSSNLENRPCRA  
 ARGSLQKTSADTKGKQEQAKEEKARELFLKAVEEEQNGALYEAIKFYRRAMQLVPDIEFKITYTRSPDGD  
 GVGNSYIEDNDDSKMADLLSYFQQQLTFQESVLKLCQPELESSQIHSVLPMEVLMYIFRWVSSDDL  
 RSLEQLSLVCRGFYICARDPEIWRACLKVGWGRSCIKLVPYTSWREMFLEPRVRFDGVYISKTTYIRQG  
 EQSLDGFYRAWHQVEYYRYIRFFPDGHVMMLTTPPEEQSIVPRLRTRNRTDAILLGHYRLSQDTDNQTK  
 VFAVITKKKEEKPLDYKYRYRFRVPVQEQSFHVGLQLCSSGHQRFNKLIIWIHHSCHITYKSTGETAVS  
 AFEIDKMYTPLFFARVRSYAFSERPL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_012347

ORF Size: 1341 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.

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <a href="#">NM_012347.4</a>   |
| <b>RefSeq Size:</b>           | 3164 bp   |
| <b>RefSeq ORF:</b>            | 1344 bp   |
| <b>Locus ID:</b>              | 26268   |
| <b>UniProt ID:</b>            | <a href="#">Q9UK97</a>  |
| <b>Cytogenetics:</b>          | 6p12.1  |
| <b>Domains:</b>               | F-box   |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Gene Summary:</b>          | This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. Alternative splicing of this gene generates at least 3 transcript variants diverging at the 5' terminus. [provided by RefSeq, Jul 2008] |