

## Product datasheet for **RG212532**

### **FBXO44 (NM\_001014765) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FBXO44 (NM\_001014765) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FBXO44  
**Synonyms:** FBG3; FBX6A; FBX30; Fbx44; Fbxo6a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG212532 representing NM\_001014765  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTGGGAACATCAACGAGCTGCCGAGAACATCCTGCTGGAGCTGTTACGCACGTGCCGCC  
GCCAGCTGCTGCTGAAGTCCGCTGGTCTGCAGCCTCTGGCGGACCTCATCGACCTCGTGACCCTCTG  
GAAACGCAAGTGCCTGCGAGAGGGCTTCATCACTGAGGACTGGGACCAGCCCGTGGCCGACTGGAAGATC  
TTCTACTTCTTACGGAGCCTGCACAGGAACCTCCTGCACAACCCGTGCGCTGAAGAGGGTTTCGAGTTCT  
GGAGCCTGGATGTGAATGGAGGCGATGAGTGAAGGTGGAGGATCTCTCTCGAGACCAGAGGAAGGAATT  
CCCAATGACCAGGTCAAGAAATACTTCGTTACTTCATATTACACCTGCCTCAAGTCCCAGTGGTGGAC  
CTCAAGGCCGAAGGGTATTGGGAGGAGCTGATGGATACCACACGGCCGGACATCGAGGTCAAGGACTGGT  
TCGCAGCCAGGCCAGATTGCGGGTCCAAGTACCAGCTGTGCGTTCAGCTCCTGTGTCGCCGCACGCGCC  
TCTGGGGACCTTCCAGCCAGACCCGGCGACCATCCAGCAGAAGAGCGATGCCAAGTGGAGGGAGGTCTCC  
CACACATTCTCCAATACCCGCCGCGTCCGCTACATCTGTTTCAGCACGGCGCGTGGACACTCATT  
ACTGGGCCGGCTGGTACGGCCCGAGGGTCACCAACAGCAGCATCACCATCGGGCCCCCGTGGCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG212532 representing NM\_001014765  
 Red=Cloning site Green=Tags(s)

MAVGNINELPENILLELFTHVPARQLLLNCRLVCSLWRDLIDLVTLWKRKCLREGFITEDWDQPVADWKI  
 FYFLRSLHRNLLHNPCAEEGFVWVSLDVNGDEWKVEDLSRDQRKEFPNDQVKKYFVTSYYTCLKSQVVD  
 LKAEGYWEELMDTTRPDIEVKDWF AARPDCGSKYQLCVQLLSSAHAPLGTQFQDPATIQQKSDAKWREVS  
 HTFSNYPPGVRYIWFQHGVDTHYWAGWYGPRVTNSSITIGPPLP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001014765

**ORF Size:** 765 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\\_001014765.1](#), [NP\\_001014765.1](#)

**RefSeq Size:** 3320 bp

**RefSeq ORF:** 768 bp

**Locus ID:** 93611

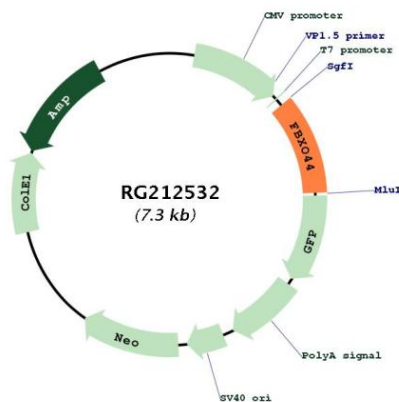
**UniProt ID:** [Q9H4M3](#)

**Cytogenetics:** 1p36.22

**Protein Families:** Druggable Genome

**Gene Summary:** 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. It is also a member of the NFB42 (neural F Box 42 kDa) family, similar to F-box only protein 2 and F-box only protein 6. Several alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Feb 2015]

### Product images:



Circular map for RG212532