

## Product datasheet for **MG224533**

### **Fbxo11 (NM\_001081034) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxo11 (NM_001081034) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo11
Synonyms:	C80048; Jf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

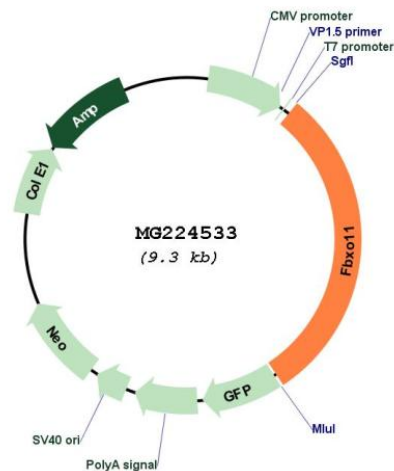
>MG224533 representing NM\_001081034  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACTCCGTCGAGCCGCAACCGGAGACCCAGGCGAGTGTGCGGCCGCGCCCGGTGCAACAGCAGC  
 AGCAGCAGCCCCGAGCAGCCGCGCCGAGCCGCTCAGCAACAGCCCGCCGAGCCGCCAGCA  
 GCCGCGCAGCAGCAGCCCCGCGCGCCGAGCAGCAGCCCCGCGCGCCCGCCCGCTCCGCCG  
 CCGCTCAGGATCGAACAACGCGCGGAGAGGGATGATGTTCTGCAGATATGGTTGCAGAAGAATCAG  
 GTCCTGGTGCACAAAATAGTCCATACCACTTCGCAGAAAACTCTTTGCAAAAAGAACGCGTGTCC  
 TACAAAGAGCAGTATGGAGGGTGCCTCTACTTCGACTACAGAAACTTTGGTCATCGAGCAAAGCGTGCA  
 AGAGTGTCTGGAAAGTACAAGATCTTTCAGCAGCACCCGCTGAACAGTATCTTCAGGAGAAGCTGCCAG  
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 ACGCTTCAGTGAGCTTGCTAATGATCCAATTTTGTGAAAACGATTATATATGGAAGTATTGAATATACC  
 CGGCCGATGATGATCCTGAACCTGGTAAATTCTACCAGATTAATCCAGAAGAATATGAACATCCAATC  
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 CAAAATTAGACGCAACAAAATTTGGGGAGGACAGAATGGTGAATTCTAGTTTATAATCTGGTCTAGGC  
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 GAAAGATAACAAAATAATGAACAATCAAGATGCCATAGAAAAGGCTGTTAGTAGAGGACAATGTCTATAT  
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 GAAATGCCATATGTGTGAACTGCATTAAGAAGTGCATCAGGGACATGATGTAGAGTTCATTAGACATGA  
 TAGGTTTTTCTGTGACTGTGGTGTGGAACGCTGTCTAATCCTTGTACCTTAGCTGGCGAGCCTACACAC  
 GACACAGACACTCTATGACTCTGCCACCTATAGAATCTAATACGTTGCAGCACAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Plasmid Map:**


**ACCN:** NM\_001081034

**ORF Size:** 2790 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\\_001081034.3](#)

**RefSeq Size:** 4013 bp

**RefSeq ORF:** 2793 bp

**Locus ID:** 225055

**UniProt ID:** [Q7TPD1](#)

**Cytogenetics:** 17 57.87 cM

**Gene Summary:**

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as DTL/CDT2, BCL6 and PRDM1/BLIMP1. The SCF(FBXO11) complex mediates ubiquitination and degradation of BCL6, thereby playing a role in the germinal center B-cells terminal differentiation toward memory B-cells and plasma cells. The SCF(FBXO11) complex also mediates ubiquitination and degradation of DTL, an important step for the regulation of TGF-beta signaling, cell migration and the timing of the cell-cycle progression and exit. Binds to and neddylates phosphorylated p53/TP53, inhibiting its transcriptional activity. SCF(FBXO11) does not seem to direct ubiquitination of p53/TP53. [UniProtKB/Swiss-Prot Function]