

## Product datasheet for **MG206074**

### Fbxo30 (BC037691) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo30 (BC037691) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo30
Synonyms:	1700026A16Rik; MUSA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206074 representing BC037691 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGATGAAGACGATGAGAAGGACTTGTGTTGAAAAAGTAGACTTGGGAGACTTGAAGGATGTTA  
ATGTTTACCTTTTCAGTCATGCGCCTTCATTCAAGTTTCTTTCTAATTCATGGTATATACCAAAGGAAGA  
CAAAGCAGTTGATACATCAGATTTAGAAGTTCAGAAAGATCCCATGGCCTCCAAGGAATAGATCTGATT  
ACAGCAGCATTACTGTTTGTCTGGGAGATTCTCCAGGTGGGAGAGGTATATCTGATAGCCGCATGACTG  
ATGTTTATCACGTTGACTTTGGGACACAGACTTTTCACTTCCATCTGCAATATTAGCTACAATAACAAT  
GGTTGGAGAAATAGCTTCGGCTTCAGCTTGTGATCATGCCAATCCACAGCTTTCAAATCCAAGCCCTTTT  
CAGACACTTGGGCTGGACTTAGTTTTGGAATGTGTTGCTAGGTACCAGCCTAAGCAGCGTTCAATGTTTA  
CCTTTGTATGCGGACAGCTATTTAGAAGAAAAGATTTTCTTCCATTTTAAGAAATGTGCATGGTGACAT  
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CGTAGATTTTGGCCATCGACACAAGGAGCAAAGATCATAATGATCGCCATTTAAGGTCAATTTGGAGTTC  
AGCCATGTGTATCTACAGTATTAGAAGAACCTTCTAGAACTGTGTGTTGGGATTGCGTAGTGACCATCT  
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GCATGTGTATCCCGCTAATGAGGACGTTTGTGGCAGTTTACTTCAGTCTCGTGAATGGTAATCTTGC  
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TACTGCATTTTGTCTGTTAATGACTGGAAATTTGCTGACATCCTGAGCATGGCTGACCATTGAAGAAC  
TGCAGTTACAACGTGATAGAGAAACGGGAGGAAGCCATCCATTGCCGTGTATGTGTGACTCGAGAGC  
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**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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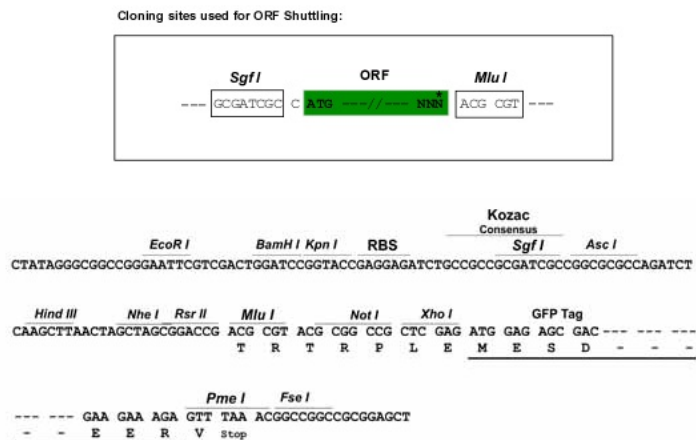
**Protein Sequence:** >MG206074 representing BC037691  
Red=Cloning site Green=Tags(s)

```
MPDEDDEKDLCKKKVDLGLDKDVGNSPFSHAPSFKFLSNSWYIPKEDKAVDTSLEVAEDPMGLQGIDLI
TAALLFCLGDSPPGGRGIDSRTMDVYHVDFTQTFSLPSAILATNTMVGEIASASACDHANPQLSNPSPF
QTLGLDLVLECVARYQPKQRSMTFVCGQLFRRKEFSSHFKNVHGDHAGLNGWMEQRCPLAYYGCYTSQ
RRFCPSTQGAKIIHDRHLRSFGVQPCVSTVLEEPSRNCVLGLRSDHLSLPPFEVLQHIAGFLDGFSLCQL
ACVSRLMRDVCGSLLQSRGMVILQWGKKKYPEGNSWQIKEKVWRFSTAFCSVNDWKFADILSMADHLKN
CSYNVIEKREEAIPLPCMCVTRILTKEGRSLRSVLKPVL
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC037691

**ORF Size:** 1169 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:** [BC037691](#), [AAH37691](#)

**RefSeq Size:** 2142 bp

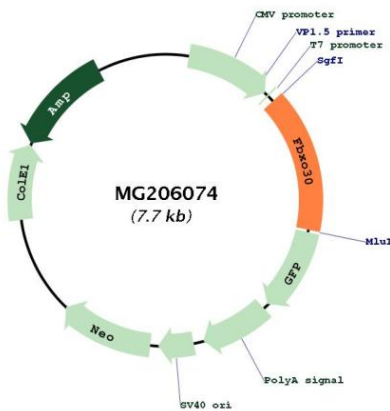
**RefSeq ORF:** 1169 bp

**Locus ID:** 71865

**Cytogenetics:** 10 A1

**Gene Summary:** Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Required for muscle atrophy following denervation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206074