

## Product datasheet for **MG207690**

### **Fbxo3 (BC058253) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxo3 (BC058253) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo3
Synonyms:	1200002G09Rik; 1700026K02Rik; AI046358; Fba
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207690 representing BC058253  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGCCGTAGAGGCCGAGACGGGGCTGCTGACCCCTGGAGTCGCTGCCACCGACCCTCTGCTGCTCA  
 TCTTATCCTTCGTGGACTACAGGGACCTAATCAATTGTTGCTATGTTAGTCGAAGACTTAGCCAGCTTTC  
 AACTCATGATCCACTGTGGAGAAGACATTGCAAAAAATACTGGCTGATATCTGAGGAAGAAAAAGCCGGG  
 AAGAGTCAGTGTGGAGATCCCTCTTCATAGAGACCTACTCAGACGTGGGAGGTACATCGACCATTACG  
 CCGCCATTAAGGCGCTGGCGTGACCTCAAGAAGTACTTGGAGCCAGGTGTCTCGGATGGTTTTATC  
 TCTGAAAGAGGGCGCACGTGAGGAAGACCTGGATGCTGTCGAAGCTCAGATCGGTTGCAAGCTCCCGGAT  
 GATTATCGCTGTTATACCGGATCCACAACGGGCAAAAGTTAGTGGTCCGGGGTGTCTGGGAAGTATGG  
 CACTGTCCAATCACTACCGCTCTGAAGATCTACTAGATGTTGATACTGCTGCAGGAGGATTCAGCAGAG  
 ACAGGGACTGAAATACTGTCTCCCTTTAACCTTTTGCATACACACCGGCTTGAGTCAGTACATAGCTGTG  
 GAGGCTGCAGAGGGCGGAATAAGAACGAAGTGTCTACCAATGTCCAGACCAAAATGGCTCGGAATCCTG  
 CTGCTATTGACATGTTTATCATAGGTGCTACTTTTACCGACTGGTTTACATCCTATGTCAACAATGTTGT  
 ATCAGGTGGTTTTCCCATCATCAGAGACCAGATTTTTCAGATATATTTCATGATCCAGAATGTGTGGCAACA  
 ACTGGAGATATTACAGTTTCAGTGTCCACATCGTTTTCTGCCAGAACTCAGCTCTGTGCATCCGCCACACT  
 ATTTCTTCACATACCGAATCAGGATTGAAATGTCAAGGGATGCTCTTCTGAGAAGGCTGTCAAGTTGGA  
 CAGTCGCTACTGGAGGATAACAACCGCTAAAGGGGATGTGGAAGAAGTCCAGGGACCTGGAGTAGTCGGT  
 GAATTTCCAATTATTAGCCAGGTCCGATATATGAATACACAAGCTGTACCACATTTTCTACAACATCAG  
 GCTACATGGAAGGGTATTACACCTTCCATTTTCTGACTTTAAGGACAAGGTCTTTAATGTTGCCATCCC  
 CCGATTCCACATGGCATGTCCAACATTCAGGGTGTCTATAGCTCGATTGGAATGGGTCCTGATGAATAT  
 GAAGAGATGGAGGAGGAAGCTGAGGAGGAGGAGGAAGAAAATGATGACTCTGCAGACATGGATGAAT  
 CCGATGAGTCAGATGCGGATGAGAATGAGTCAGATGAGGGTGAAGGGGAGGCGAGACGGAGGAGGTCTT  
 TGATGTTCCCATTCGCAGACGCCGCTGCTCTCGTCTGTTT

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG207690 representing BC058253  
 Red=Cloning site Green=Tags(s)

MAAVEAETGLLTLESPLTDPLLLILSFVDYRDLINCCYVSRRLSQLSTHDPLWRRHCKKYWLISEEEKAG  
 KSQCWRSLEFIETYSVGRYIDHYAAIKKAWRDLKKYLEPRCPMVLSLKEGAREEDLDAVEAQIGCKLPD  
 DYRCSYRIHNGQKLVVPGLLGSMALSNHYRSEDLLDVRTAAGGFQQRQGLKYCLPLTFCIHTGLSQYIAV  
 EAAEGRNKNEVFYQCPDQMARNPAAIDMFIIGATFDWFTSYVNNVVSGGFPIIRDQIFRYIHDPECVAT  
 TGDITVSVSTSFLELSSVHPPHYFFTYRIRIEMSRDALPEKACQLDSRYWRITNAKGDVEEVQPGVVG  
 EFPFIISPGRIYEYTSCTTFSTTSGYMEGYTFHFLYFKDKVFNVAIPRFHMACPTFRVSIARLEMGPDEY  
 EEMEEEEEEEEENDDSDMDESDESADENESDEGEARRRRVFDVPIRRRRCSRLF

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** BC058253

**ORF Size:** 1442 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:** [BC058253](#), [AAH58253](#)

**RefSeq Size:** 2368 bp

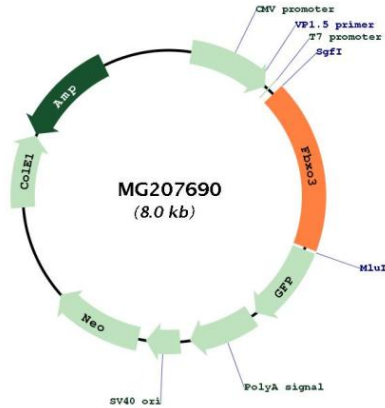
**RefSeq ORF:** 1442 bp

**Locus ID:** 57443

**Cytogenetics:** 2 E2

**Gene Summary:**

Substrate recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Mediates the ubiquitination of HIPK2 and probably that of EP300, leading to rapid degradation by the proteasome. In the presence of PML, HIPK2 ubiquitination still occurs, but degradation is prevented. PML, HIPK2 and FBXO3 may act synergically to activate p53/TP53-dependent transactivation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MG207690