

## Product datasheet for **MG209329**

### **Fbxo46 (NM\_175530) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxo46 (NM_175530) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo46
Synonyms:	20D7-FC4; 4932704E22Rik; Fbxo34l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209329 representing NM\_175530  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGACAGGGGCAGCCTCCTGCCCTTCCAACCTCTGGTGCCCGGCCCTTCAGCAAGTATCCAGAAC  
 AGCCGCGCCACCTTCCACAGCCCTCAAGCCGCCAGTCTGTCTGACACAAGCAGCGGGACTGAGCCCGA  
 CCACAGGCCTGCGCACTTGGAGAGCACACCACCTGCCGTGGCTGCAGAAGCCCCACCTCCAGCCTGCT  
 CCACTCCTCTCTACAGCAGTTCGCGGTGATGAAGGTGGGTCTGCTGGACACGTGGTATGTTATCAAGC  
 CTGAAATACAAAGGAGAAGGTGGCCTTTTGTGGCCACCAGTGTGGTGAAGTAGCCGGGCCAGCTC  
 TATGAAGTCAAAGGGCACTGGGGCAGTGACAGCTCCAAAGCTAAGAGGAGGAGGCGCTGCCTTGAGCCC  
 ACCAAGGCTCCTCCAGACCAAGGGGGCCGAGAAGGAACCCCTGCCACTGAGGTGACCCCCACATCATCTG  
 GGGATGATGTAGACCTGGTCTCTGTAGCAGAAATGGTGGCCCTGGTTGAACAGAGAGCTGCCTGGCCCT  
 GCAGAGTTATCCGCGCCCACTACCCAGCTCCCGTGGTCTTTGTGTGAGCTGATCAGGGGGGACCAGCC  
 AAGGGGCTAGGGTCGAAAGGGCGGTCTGGTGGTGGTACTGCAGCCGAGTTGCTGAGGCAGTGGCCCACT  
 TTGAGGCCACGGGGACAGCCCTCTACCAAGGGTCTCCGAAGGAGGAACGGCCAGGCCCTGGGCCCGG  
 CGAGGTGCGTATAGCTTCCGAATCTCCAATGTCCGAGAGCCCCATTACCAGATGGCAACTTACCAAT  
 GGGGGTGGAGGCCGGCTGGTTGTGCCTACCCTGGTAGTCTGGACCTGGGACTCGAGCCAAAGACAAAA  
 TCACCTGCGACTTGTACCAGCTTATCAGCCCTCCAGGGATGCCCTTCCAGCAATGTGGAGTTCCTATT  
 GGCCAGGGCTGATGAAGCCAGTGAAGGTGAGACACCAGCCCCACCAGGCCTGAGGACACTCCACCAGCA  
 CCGCCTCCACCCCTGCCCGGACTGTGGTGCATCAGGATCCATGTAGATGTGGTGAACAGGTGTAG  
 TGGATCGTGCATCTTCTTTGGCAAAGATGGCACCAAGAACGTGAAGGAAGAGACTGTGTGCTGACAGT  
 GAGCCCTGAGGAGCCACCCACCTGGCCAGCTCTTCTTCTTGCAGTCCCGTGGTCCAGAAGGGCCTCCT  
 GAGCCACCCCACTGATATACCAAGCACAGTGCCAGGCCCGATGATTCTGAGGGCACAACGGACACCT  
 CCCTCTGCCCGCTGTACCGCATGTGTACACGACTTCTGGAGATTCGCTTTAAATCCAGCGTCTTCT  
 GGAGCCACGGCAGTACATGCTGCTGCTGCCTGAGCACGTGCTCGTCAAGATATTCAGTCTCCTGCCACG  
 CGGGCCTTGGCAGCCCTCAAGTGCACCTGCCACCACTTCAAGGGGATCATCGAGGCTTTCGGTGTGCGTG  
 CCACGGACTCTCGCTGGAGCCGGGACCCGCTCTACCGAGACGACCCTTGAAGCAGTGCCGAAGAGATA  
 CGAGAAGGGTGTGTGCTACTCTGCCGCTGGCACCCCAAACCTACCACCATGACCTGCCTACGGACGT  
 TCCTACTGGATGTGCTGCCGAGAGCCGATCGTGAGACACCAGGCTGTGCCTGGGCTTGCATGACAACA  
 ACTGGGTACTGCCGTGCAATGGAGTGGGTGGAGGCCGTGCTGGCCGGGAAGAGGGGAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209329 representing NM\_175530  
 Red=Cloning site Green=Tags(s)

MDRGSLLPFQLWCPRPFSKYSQNQPRPPSTALKPPVCPDTSSTGTEPDHRPAHLESTPPAVAAEAPTSQPA  
 PLLSTAASGDEGRVLLDTWYVIKPGNTKEKVAFFVAHQCGSSRASSMKVKGHWSDSKAKRRRRRCLEP  
 TKAPPDQGGREGTPATEVPTSSGDDVDLVSVAEMVALVEQRAALALQSYPRPSTPAPVVFVSADQGGPA  
 KGLGSERRSGGDCSRVAEAVAHEAQRDSPPTKGLRKEERP GPGPEVRIAFRISNVREPHSPDGNL PN  
 GGGRRPGCAYPGSPGTRAKDKITCDLYQLISPSRDALPSNVEFLLARADEASEGETPAPTRPEDTPPA  
 PPPPPARDCGASGFHVDVVVTGVVDACIFFGKDGTKNVKEETVCLTVSPEEPPPPGQLFFLQSRGPEGPP  
 EPPPADIPSTVPGPDDSEGTTDTSLCRLYRHVSHDFLEIRFKIQRLLEPRQYMLLPEHVLVKIFSFLLPT  
 RALAALKCTCHHFKGIIIEAFGVRATDSRWSRDPLYRDDPCKQCRKRYEKGDVSLCRWHPKPYHDLPIYGR  
 SYWMCCRADRETPGCRLLGLHDNNWVLPNGVGGGRAGREEGR

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_175530

**ORF Size:** 1809 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\\_175530.3](#), [NP\\_780739.1](#)

**RefSeq Size:** 2962 bp

**RefSeq ORF:** 1812 bp

**Locus ID:** 243867

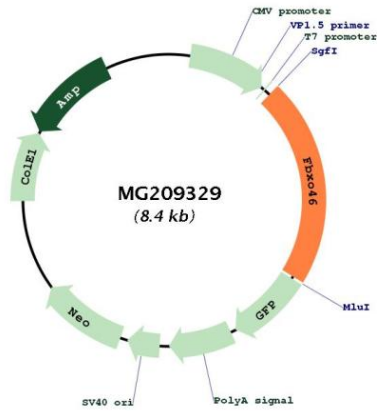
**UniProt ID:** [Q8BG80](#)

**Cytogenetics:** 7 A3

**Gene Summary:**

Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209329