

## Product datasheet for **MG213784**

### **Fbxo24 (NM\_027708) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxo24 (NM_027708) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo24
Synonyms:	4933422D21Rik; Fbx24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG213784 representing NM\_027708  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGAAGCGCAGCTGCCCTTCTGTGGCCTGGAGGCTGGGAGTGAAAAGAAGGAAAGAGGGAACCTA  
 TTTCTGTTTCAGTTGTTCCCCAGAGCTGGTGGACACATTGTCTCCTTCTCCAGTCAAAGACTTGGT  
 CGCCCTAGGCCAGACCTGCCACTACTTCCATGAAGTGTGTGATGCTGAGGGCGTGTGGAGGCGCATCTGT  
 CGAAGGCTCAGCCCTCGAATCCGTGACCAGAGTCTGGTGCCCGCCCTGGAAGAGAGCTGCCATTCTTA  
 ACTATACAAAGGGCTGTATTTCCAGGCATTCCGAGGACGCCCGCATGTCTCAGCAAGAGTGTGGCCCC  
 CATGCTAGCCCATGGCTACCGCCGCTTCTTACCACAAAGGACCACGTGTTCACTTCTGACTACGTGGGG  
 ACCCTCTTCTTCAAATGCTCTGGTCTCCTCCACCTCGGCCAGATCCAGTGAAGCGGGCCTGCC  
 GCTACGTGGTGTGTGTCGAGGCGCAAGGATTTGCGTCCGACCAAGATGTGACACGGTTTACCGGAA  
 GTACCTCTATGTTTTGGCTACTCGGGAACAGCCGGCAGTGGTGGGCACCACCGGTAGCCGCGCTGTGAC  
 TGTGTGGAGGTCTATCTGCACTCAGTGGGCAGCGGGTCTCAAGATGACATTCCACCACTCCATGAGCT  
 TCAAGCAGATCGTGTGGTGGCCAGGAGACCCAGCGGGCCCTACTGCTCCTCACAGAGGAAGGAAAGAT  
 CTACTCCTTGGTTGTGAATGAGACCCAGCTGGACCAGCCACGCTCCTATACAGTGCAGTTAGCCCTCAGG  
 AAGGTGTCTCGATGCCTGCCTCACCTGCGTGTGACCTGCATGGCTTCAAACCAGAGCAGTACCCTCTATA  
 TCACGGGTGGGACTTTAATCCCTAGGAAACAGGTGCCTAAAGTCCGAGCTGAGGGCTCCTGACCCCC  
 AGACCAGGGGGAGTGTATTTGAGGTGCATACCCCGGGGTGTATCGTGATCTCTTTGGGACCCCTCAA  
 GCCTTTGACCCCTGGACCACAGATGCCACTGGCTCTCTCCTTGCCTGCCAAGGTCTCTTCTGTGCTC  
 TTGGCTATAATCATCTTGGCCTGGTAGATGAATTTGGCCGGATCTTTATGCAGGGAATAACAGATACGG  
 GCAGCTGGGAACCTGGAGACAAAATGGACCGAGGGGAGCCACACAGGTTCACTATCTGCAACGCCCATC  
 GCCTGTGGTGTGGCCTCAACCATTCTTGGTGTGAGTACAGACCTCGGATTTTCAGCAAGGAGCTGCTGG  
 GGTGCGGCTGTGGGGCCGAGGCGCTTCTCTGGCTGGCCCAAGGGGAGCGCCTCCTTCTCAAGCTGCA  
 CATCAAGTCCCTTGTGTGCTGCTCCCTGCTCCACCAGAGAGTGTCTCTATATGCTGTCCAGCCAC  
 GACATCGAACAGTGCCCTGTCTATCGAGACCTGCCAGCCAGCGGTGGGGGGAGCCCTGAACCTAGCC  
 AGGGGGCTGGAGCCCCCAAGACCCTGGGGGAACAGCCAGCCGTGTGAGGAGTACCTCAGCCAGATCCA  
 CAGTTGCCCCACGTTGCAGGACCAATGGAGAAGATGAAGGAGATTGTGGGCTGGATGCCCTTGATGGCT  
 GCCCAGAAAGATTTCTTCTGGGAGGCACTGGACATGTTGCAGAGGGCTGTGGAGGGCTGGCCAGACA  
 CCTCGACTCCCGAGAGC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG213784 representing NM\_027708  
 Red=Cloning site Green=Tags(s)

MVKRSCPSCGLEAGSEKKERGNPISVQLFPPPELVEHIVSFLPVKDLVALGQTCHYFHEVCD AEGVWRRIC  
 RRLSPRIRDQSSGARPWKRAAILNYTKGLYFQAFGRRRCLSKSVAPMLAHGYRRFLPTKDHVFI LDYVG  
 TLFFLKNALVSSTLGQIQWKACRYVVL CRGAKDFASDPRCDTVYRKYL YVLATREQPAVVGTTGSRACD  
 CVEVYLQSSGQRFKMTFHHSMSFKQIVLVGQETQRALLL TEEGKIYSLV VNETQLDQPRSYTVQLALR  
 KVSRCPLHLRVTCMASNQSSSTLYITGGTLIPRKQVPKAAELRAPDPPDQGGVYFEVHTPGVYRDLFGTLQ  
 AFDPLDHQMLALSLPAKVLFCALGYNHLGLVDEFGRIFMQGNNRYGQLGTGDKMDRGEPTQVHYLQRPI  
 ALWCGLNHSLVLSQTSDFSKELLGCGCGAGGRLPGWPKGSASFVKLHIK VPLCACSLCSTRECLYMLSSH  
 DIEQCPVYRDLPASRVGGSPEPSQGAGAPQDPGGTAQACEEYLSQIHS CPTLQDRMEKMKIEIVGWMPLMA  
 AQKDFFWAELDMLQRAAGGAGPDTSTPES

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_027708

**ORF Size:** 1767 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

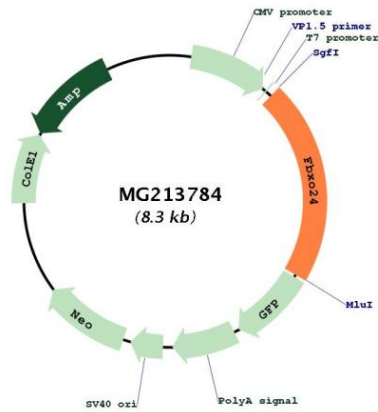
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:	<u>NM_027708.1, NP_081984.1</u>
RefSeq Size:	2159 bp
RefSeq ORF:	1770 bp
Locus ID:	71176
UniProt ID:	<u>Q9D417</u>
Cytogenetics:	5 G2
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 MG213784