

Product datasheet for **MG216031**

Fbxl12 (NM_013911) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbxl12 (NM_013911) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fbxl12
Synonyms: 3110048D16Rik; Fbl12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216031 representing NM_013911
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACTCTGTTTGACCTCCCAGACTTGGTGCTCTGGAGATCTTCTTACCTCCCTGTCCGGGACC
 GGATCCGCATCTCCAGGGTCTGTCACCGCTGGAAGAGGCTAGTGGATGACCGGTGGCTATGGCGACACGT
 CGACCTGACGCTCTACACGATGCGGCCGAAAGTCATGTGGCACCTCTGCGCCGGTACATGGCGTCCCGG
 CTCTACTCGTTGCGCATGGCGGCTACCTGTTTCTGGCTCTCAGGCCCCACAGCTGTCCCCGCCCTTGA
 TGAGGGCCCTGGGTGAGAAATGCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGT
 GCCTATACACAGCCTTCCTAGCACACTGAGGACCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGG
 TTGCAGAAAGAGCAGGACCCACGGTGCTGCTCTTCTGGAATGCATCGTGTGGACCGAGTGCCCGCCT
 TCCGCGATGAGCATCTGCAGGGCCTTACCCGATTCGAGCCCTGCGCTCGCTGGTGTGGCGGCACCTA
 CCGGGTCACTGAGACCGGGCTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTG
 GGCTGCACCCTGTGAGCTGACAGCACGCTGTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTC
 GGCTGACCGTTGGGGCCTCTCAGCCAGGGCCTGGTCTTCTGGAGGGAATGCCTGTCTCTGGAGAGTTT
 GTGCTTCAGGGTCCCCATTACACCCAGACATGCCACACCCACTCAGATTGTGTCTCTCTCCCTCACC
 ATGCCGAAGCTCAGAGTGCTTGAAGTGAAGGGCTGGGCTGGGAGGGTCAGGAAGCAGAGAAAATCCTGT
 GCAAGGGCCTGCCCACTGCATGTTATTGTTAGGGCTGTCCCAAAGAATCCATGGATTGGTGGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216031 representing NM_013911
 Red=Cloning site Green=Tags(s)

MATLFDLPDLVLLLEIFSYLPVRDRIRISRVCHRWKRLVDDRWLWRHVDLTLTYMRPKVMWHLRRYMASR
 LYSLRMGYLFSGSQAPQLSPALMRALGQKCPNLKRLCLHVADLSMPVITSLPSTLRTLLEHSCEISMIW
 LQKEQDPTVLPILLECIVLDRVPAFRDEHLQGLTRFRALRSLVLGGTYRVETETGLDASLQELSYLQRLEVL
 GCTLADSTLLAISRHLDVRKIRLTVGGLSAQGLVFLEGMVLESLECFQGPLITPDMPTPTQIVSSCLT
 MPKLRVLEVQGLGWEGQEAEEKILCKGLPHCIVIVRACPKESMDWMM

TRTRPLE - GFP Tag - V

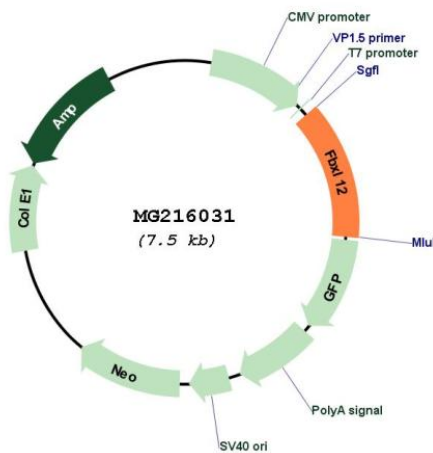
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_013911

ORF Size: 978 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:	<ol style="list-style-type: none">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_013911.2 , NP_038939.2
RefSeq Size:	2098 bp
RefSeq ORF:	981 bp
Locus ID:	30843
UniProt ID:	Q9EPX5
Cytogenetics:	9 A3
Gene Summary:	Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Mediates the polyubiquitination and proteasomal degradation of CAMK1 leading to disruption of cyclin D1/CDK4 complex assembly which results in G1 cell cycle arrest in lung epithelia (By similarity).[UniProtKB/Swiss-Prot Function]