

## Product datasheet for MR228928

### Fbxl12 (NM\_001286530) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fbxl12 (NM\_001286530) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fbxl12  
**Synonyms:** 3110048D16Rik; Fbl12  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228928 representing NM\_001286530  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCCGGCTCTACTCGTTGCGCATGG  
 GCGGCTACCTGTTTTCTGGCTCTCAGGCCCCACAGCTGTCCCGCCTTGATGAGGGCCCTGGGTCAGAA  
 ATGCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGTGCCTATCACCAGCCTTCCT  
 AGCACACTGAGGACCCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGGTTGCAGAAAGAGCAGGACC  
 CCACGGTGTGCCTTTCTGGAATGCATCGTGCTGGACCGAGTGCCGGCCTTCCGCGATGAGCATCTGCA  
 GGGCCTTACCGATTCCGAGCCCTGCGCTCGTGGTGGTGGCGGCACCTACCGGTCACCTGAGACCGGG  
 CTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTGGGCTGCACCCTGTCAGCTG  
 ACAGCACGCTGTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTGCGGCTGACCGTTGGGGCCT  
 CTCAGCCAGGGCCTGGTCTTCTGGAGGGAATGCCTGTCTGGAGAGTTTGCTTCCAGGGTCCCCTT  
 ATCACCCAGACATGCCACACCCACTCAGATTGTGTCTCTGCCTCACCATGCCGAAGCTCAGAGTGC  
 TTGAGGTGCAAGGGCTGGGCTGGGAGGGTCAGGAAGCAGAGAAAATCCTGTGCAAGGGCCTGCCCACTG  
 CATAGTTATTGTTAGGGCTTGTCCCAAAGAATCCATGGATTGGTGGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228928 representing NM\_001286530  
 Red=Cloning site Green=Tags(s)

MRPKVMWHLRRYMASRLYSLRMGGYLFSGSQAPQLSPALMRALGQKCPNLKRLCLHVADLSMPVITSLP  
 STLRTELHSCEISMIWLQKEQDPTVLPLEECIVLDRVPAFRDEHLQGLTRFRALRSLVLGGTYRVETETG  
 LDASLQELSYLQRLEVLGCTLSADSTLLAISRHLDVRKIRLTVGGLSAQGLVFLEGMVLESLSLFCQGPL  
 ITPDMPTPTQIVSSCLTMPKLRVLEVQGLGWEGQEAELCKGLPHCIVIVRACPKESMDWWM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001286530

**ORF Size:** 819 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\\_001286530.1](#), [NP\\_001273459.1](#)

**RefSeq Size:** 1822 bp

**RefSeq ORF:** 822 bp

**Locus ID:** 30843

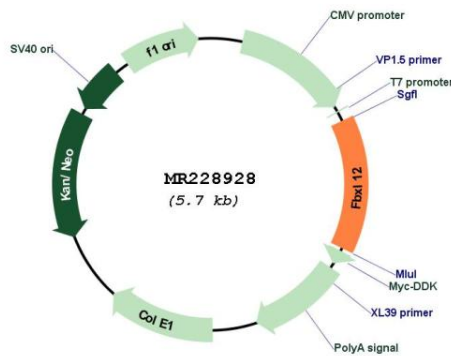
**UniProt ID:** [Q9EPX5](#)

**Cytogenetics:** 9 A3

**MW:** 30.6 kDa

**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]

### Product images:



Circular map for MR228928