

## Product datasheet for **MR204773**

### **Fbxl12 (NM\_001002846) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fbxl12 (NM\_001002846) 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:** >MR204773 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACTCTGTTTGACCTCCCAGACTTGGTGCTCTGGAGATCTTCTTACCTCCCTGTCCGGGACC  
GGATCCGCATCTCCAGGGTCTGTCACCGCTGGAAGAGGCTAGTGGATGACCGGTGGCTATGGCGACACGT  
CGACCTGACGCTCTACACGATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCCGG  
CTCTACTCGTTGCGCATGGCGGGCTACCTGTTTCTGGCTCTCAGGCCCCACAGCTGTCCCCGCCCTTGA  
TGAGGGCCCTGGGTGAGAAATGCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGT  
GCCTATCACAGCCTTCCTAGCACACTGAGGACCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGG  
TTGAGAAAGAGCAGGACCCACGGTGCTCCTTCTGGAATGCATCGTGTGGACCGAGTGCCCGCCT  
TCCGCGATGAGCATCTGCAGGGCCTTACCCGATTCCGAGCCCTGCGCTCGCTGGTGTGGCGGCACCTA  
CCGGGTCACTGAGACCGGGCTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTG  
GGCTGCACCCTGTGAGCTGACAGCACGCTGCTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTC  
GGCTGACCGTTGGGGCCTCTCAGCCAGGGCCTGGTCTTCTGGAGGGAATGCCTGTCTCTGGAGAGTTT  
GTGCTTCCAGGGTCCCCATTACACCCAGACATGCCACACCCACTCAGATTGTGTCTCTCTCCCTGCCACCC  
ATGCCGAAGCTCAGAGTGCTTGAAGTGAAGGGCTGGGCTGGGAGGGTCAGGAAGCAGAGAAAATCCTGT  
GCAAGGGCCTGCCCCACTGCATAGTTATTGTTAGGGCTGTCCCAAAGAATCCATGGATTGGTGGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204773 protein sequence  
Red=Cloning site Green=Tags(s)

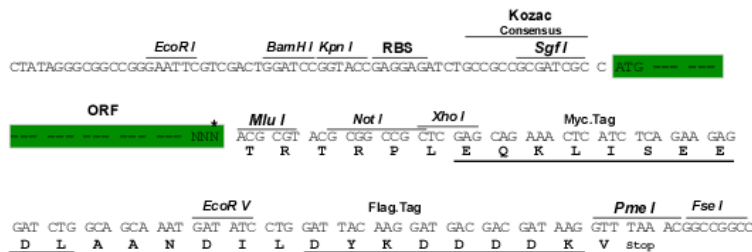
MATLFDLPDLVLEIFSYLPVRDRIRISRVCHRWKRLVDDRWLWRHVDLTLTYMRPKVMWHLLRRYMASR  
 LYSLRMGGYLFSGSQAPQLSPALMRALGQKCPNLKRLCLHVADLSMPITSLPSTLRTLLEHSCEISMIW  
 LQKEQDPTVLPILLECIVLDRVPAFRDEHLQGLTRFRALRSLVLGGTYRVTTETGLDASLQELSYLQRLEVL  
 GCTL SADSTLLAISRHLDVRKIRLTVGGLSAQGLVFLEGMPLVLESLCFQGPLITPDMPTPTQIVSSCLT  
 MPKLRVLEVQGLGWEGQEA EKILCKGLPHCIVIVRACPKESMDWMM

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\_001002846

**ORF Size:** 981 bp

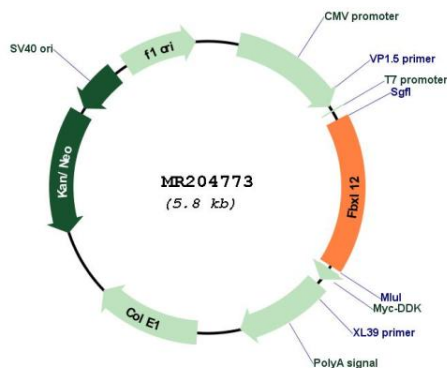
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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 Size:** 2096 bp
- RefSeq ORF:** 822 bp
- Locus ID:** 30843
- UniProt ID:** [Q9EPX5](#)
- Cytogenetics:** 9 A3
- MW:** 37.2 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 MR204773