

Product datasheet for **MC226717**

Fbxl12 (NM_001286530) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbxl12 (NM_001286530) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fbxl12
Synonyms: 3110048D16Rik; Fbl12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226717 representing NM_001286530
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCC GGCTCTACTCGTTGCGCATGG
GCGGCTACCTGTTTTCTGGCTCTCAGGCCCCACAGCTGTCCCCCGCCTTGATGAGGGCCCTGGGTACAGAA
ATGCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGTGCCTATCACCAGCCTTCCT
AGCACACTGAGGACCCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGGTTGCAGAAAGAGCAGGACC
CCACGGTCTGCCTCTGCTGGAATGCATCGTGGTGGACCGAGTGCCGGCCTTTCGCGATGAGCATCTGCA
GGGCTTACCCGATTCCGAGCCCTGCGCTCGTGGTGGTGGGCGGCACCTACCGGGTCACTGAGACCGGG
CTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTGGGCTGCACCCTGTCAGCTG
ACAGCACGCTGCTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTGCGCTGACCGTTGGGGGCT
CTCAGCCCAGGGCCTGGTCTTCTGGAGGGAATGCCTGTCTGAGAGTTTGTGCTTCCAGGGTCCCCTT
ATCACCCAGACATGCCACACCCACTCAGATTGTGCTCCTGCCTCACCATGCCGAAGCTCAGAGTGC
TTGAGGTGCAAGGGCTGGGCTGGGAGGGTCAGGAAGCAGAGAAAATCCTGTGCAAGGGCCTGCCCACTG
CATAGTTATTGTTAGGGCTTGTCCCAAAGAATCCATGGATTGGTGGATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286530
Insert Size: 822 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001286530.1, NP_001273459.1</u>
RefSeq Size:	1822 bp
RefSeq ORF:	822 bp
Locus ID:	30843
UniProt ID:	<u>Q9EPX5</u>
Cytogenetics:	9 A3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform b, which has a shorter N-terminus, compared to isoform a. Variants 2 and 4 encode the same protein.</p>