

Product datasheet for **MC227201**

Fbxl12 (NM_001286529) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbxl12 (NM_001286529) 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: >MC227201 representing NM_001286529
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCTGGGACTTGCTAAGAATGGATTACAGCGGACGTTGGAAGTGGTGGAGATTCCTTCATCAT
 GGAAGAAACCTAAAGGATCTCAGCGCGGGGTGCTCGACTACTCCAAGCCAGACAATCCTCCTACCGCG
 GAATCCCGGCTGCAGGGTCTGTACCGCTGGAAGAGGCTAGTGGATGACCGGTGGCTATGGCGACACGTC
 GACCTGACGCTCTACACGATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCCGGC
 TCTACTCGTTGCGCATGGCGGGCTACCTGTTTTCTGGCTCTCAGGCCCCACAGCTGTCCCGCCTTGAT
 GAGGGCCCTGGGTGAGAAATGCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGT
 CCTATCACCAGCCTTCTAGCACACTGAGGACCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGGT
 TGCAGAAAGAGCAGGACCCACGGTGTGCCTCTGCTGGAATGCATCGTGTGGACCGAGTGCCGGCCTT
 TCGCGATGAGCATCTGCAGGGCCTTACCCGATCCGAGCCCTGCGCTCGTGGTGTGGCGGCACCTAC
 CGGGTCACTGAGACCGGGCTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTGG
 GCTGCACCTGTGAGTACAGCAGCTGCTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTGCG
 GCTGACCGTTGGGGCCTCTCAGCCAGGGCCTGGTCTTCTGGAGGGAATGCCTGTCTGGAGAGTTTG
 TGCTTCCAGGGTCCCCTTATCACCCAGACATGCCACACCCACTCAGATTGTGCTCCTGCTCACCA
 TGCCGAAGCTCAGAGTGTGAGGTGCAAGGGCTGGGCTGGGAGGGTCAAGGAGCAGAGAAAATCCTGTG
 CAAGGGCTGCCCACTGCATAGTTATTGTAGGGCTGTCCCAAGAATCCATGGATTGGTGGATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286529



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| | |
|-------------------------------|---|
| Insert Size: | 1050 bp |
| 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_001286529.1</u> , <u>NP_001273458.1</u> |
| RefSeq Size: | 1718 bp |
| RefSeq ORF: | 1050 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 (3) uses an alternate 5' structure and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform c, which has a longer and distinct N-terminus, compared to isoform a.</p> |