

Product datasheet for MR229412

Fbxl12 (NM_001286529) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Fbxl12 (NM_001286529) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Fbxl12 |
| Synonyms: | 3110048D16Rik; Fbl12 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >MR229412 representing NM_001286529 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTGGGACTTGCTAAGAATGGATTACAGCGGACGTTGGAAGTGGTGGAGATTCCTTCATCAT
GGAAGAAACCTAAAGGATCTCAGCGCGGGGTGCTCGACTACTCCAAGCCAGACAATCCTCTACCGCG
GAATCCCAGGCTGCAGGGTCTGTACCGCTGGAAGAGGCTAGTGGATGACCGGTGGCTATGGCGACACGTC
GACCTGACGCTCTACACGATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCCAGGC
TCTACTCGTTGCGCATGGGCGGCTACCTGTTTTCTGGCTCTCAGGCCCCACAGCTGTCCCCGCCTTGAT
GAGGGCCCTGGGTGAGAAATGCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGTG
CCTATCACCAGCCTTCTAGCACACTGAGGACCTGGAGCTGCACAGCTGCGAAAATCTCCATGATCTGGT
TGCAGAAAGAGCAGGACCCACGGTGTGCCTCTGCTGGAATGCATCGTGTGGACCGAGTGCCGGCCTT
TCGCGATGAGCATCTGCAGGGCCTTACCCGATCCGAGCCCTGCGCTCGTGGTGTGGGCGGCACCTAC
CGGGTCACTGAGACCGGGCTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTGG
GCTGCACCTGTGAGCTGACAGCAGCTGCTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTGCG
GCTGACCGTTGGGGCCTCTCAGCCAGGGCCTGGTCTTCTGGAGGGAATGCCTGTCTGGAGAGTTTG
TGCTTCCAGGGTCCCCTTATCACCCAGACATGCCACACCCACTCAGATTGTGCTCCTGCCTCACCA
TGCCGAAGCTCAGAGTGTGAGGTGCAAGGGCTGGGCTGGGAGGGTCAAGGAGCAGAGAAAATCCTGTG
CAAGGGCTGCCCACTGCATAGTTATTGTTAGGGCTTGCCAAAGAATCCATGGATTGGTGGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229412 representing NM_001286529
 Red=Cloning site Green=Tags(s)

MSWDLRLMDLQRTLELVLEIPSSWKKPKGSQRRGARLLPSQTILLPRNPGCRVCHRWKRLLVDDRWLWRHV
 DLTLTYMRPKVMWHLRLRYMASRLYSLRMGGYLFSGSQAPQLSPALMRALGQKCPNLKRLCLHVADLSMV
 PITSLPSTLRTLLELHSCIEISMIWLQKEQDPTVLPILLEICIVLDRVPAFRDEHLQGLTRFRALRSLVLGGTY
 RVTETGLDASLQELSYLQRLEVLGCTLSADSTLLAISRHRLRDVRKIRLTVGGLSAQGLVFLEGMPVLES
 CFQGPLITPDMPTPTQIVSSCLTMPKLRVLEVQGLGWEGQEAEEKILCKGLPHCIVIVRACPKESMDWMM

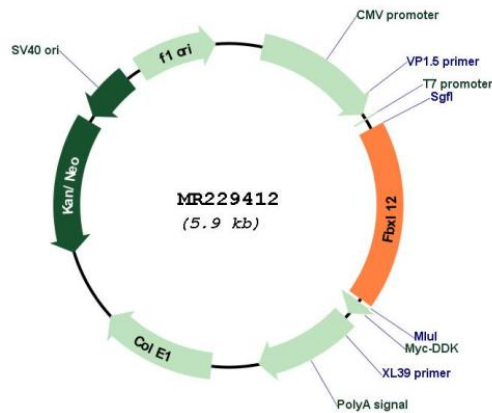
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286529

ORF Size: 1047 bp

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| 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_001286529.1 , NP_001273458.1 |
| RefSeq Size: | 1718 bp |
| RefSeq ORF: | 1050 bp |
| Locus ID: | 30843 |
| UniProt ID: | Q9EPX5 |
| Cytogenetics: | 9 A3 |
| MW: | 40.3 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] |