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Product datasheet for MR216031

Fbxl12 (NM_013911) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxl12 (NM_013911) 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:	>MR216031 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGACTCTGTTTGACCTCCCAGACTTGGTGCTCTTGGAGATCTTCTCTTACCTCCCTGTCCGGGACC GGATCCGCATCTCCAGGGTCTGTCACCGCTGGAAGAGGCTAGTGGATGACCGGTGGCTATGGCGACACGT CGACCTGACGCTCTACACGATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCCGG CTCTACTCGTTGCGCATGGGCGGCTACCTGTTTTCTGGCTCTCAGGCCCCACAGCTGTCCCCCGCCTTGA TGAGGGCCCTGGGTCAGAAATGCCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGT GCCTATCACCAGCCTTCCTAGCACACTGAGGACCCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGG TTGCAGAAAGAGCAGGACCCCACGGTGCTGCCTCTGCTGGAATGCATCGTGCTGGACCGAGTGCCGGCCT TTCGCGATGAGCATCTGCAGGGCCTTACCCGATTCCGAGCCCTGCGCTCGCTGGTGCTGGGCGGCACCTA CCGGGTCACTGAGACCGGGCTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTG GGCTGCACCCTGTCAGCTGACAGCACGCTGCTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTC GGCTGACCGTTGGGGGCCTCTCAGCCCAGGGCCTGGTCTTCCTGGAGGGAATGCCTGTCCTGGAGAGTTT GTGCTTCCAGGGTCCCCTTATCACCCCAGACATGCCCACACCCACTCAGATTGTGTCCTCCTGCCTCACC ATGCCGAAGCTCAGAGTGCTTGAGGTGCAAGGGCTGGGCTGGGAGGGTCAGGAAGCAGAGAAAATCCTGT GCAAGGGCCTGCCCCACTGCATAGTTATTGTTAGGGCTTGTCCCAAAGAATCCATGGATTGGTGGATG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

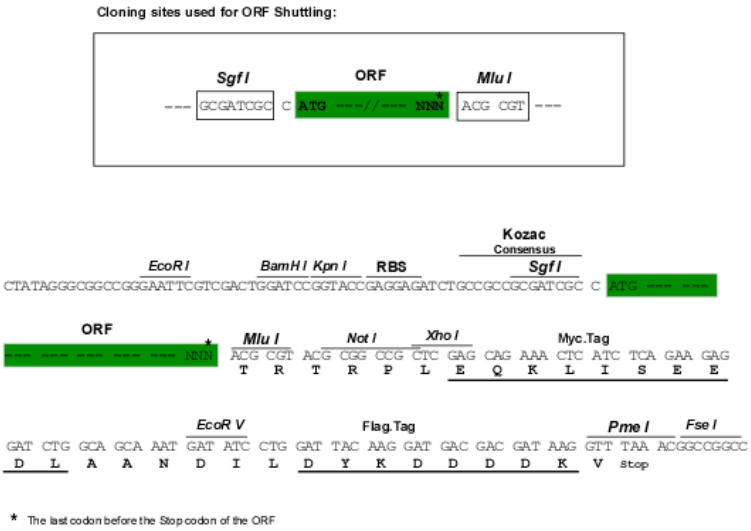
>MR216031 protein sequence
Red=Cloning site Green=Tags(s)

MATLFDLPDLVLLEIFSYLPVRDRIRISRVCHRWKRLVDDRWLWRHVDLTLYTMRPKVMWHLLRRYMASR
LYSLRMGGYLFSGSQAPQLSPALMRALGQKCPNLKRLCLHVADLSMVPITSLPSTLRTLELHSCEISMIW
LQKEQDPTVLPLLECIVLDRVPAFRDEHLQGLTRFRALRSLVLGGTYRVTETGLDASLQELSYLQRLEVL
GCTLSADSTLLAISRHLRDVRKIRLTVGGLSAQGLVFLEGMPVLESLCFQGPLITPDMPTPTQIVSSCLT
MPKLRVLEVQGLGWEGQEAEKILCKGLPHCIVIVRACPKESMDWWM

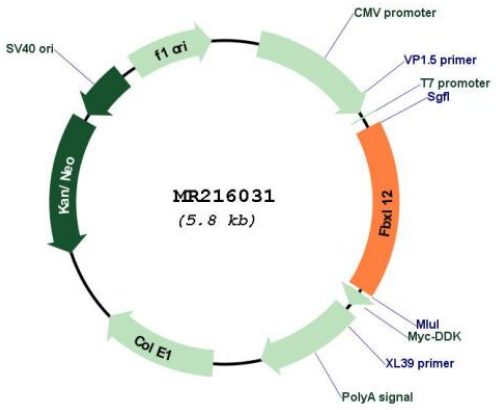
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013911

ORF Size: 978 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:	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_013911.3
RefSeq Size:	2126 bp
RefSeq ORF:	981 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]

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