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Product datasheet for MG204773

Fbxl12 (BC054471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxl12 (BC054471) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxl12
Synonyms:	3110048D16Rik; Fbl12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG204773 representing BC054471
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGACTCTGTTTGACCTCCCAGACTTGGTGCTCTTGGAGATCTTCTCTTACCTCCCTGTCCGGGACC
GGATCCGCATCTCCAGGGTCTGTCACCGCTGGAAGAGGCTAGTGGATGACCGGTGGCTATGGCGACACGT
CGACCTGACGCTCTACACGATGCGGCCGAAAGTCATGTGGCACCTCCTGCGCCGGTACATGGCGTCCCGG
CTCTACTCGTTGCGCATGGGCGGCTACCTGTTTTCTGGCTCTCAGGCCCCACAGCTGTCCCCCGCCTTGA
TGAGGGCCCTGGGTCAGAAATGCCCCAATCTGAAGCGCCTGTGCCTGCACGTGGCTGACCTGAGCATGGT
GCCTATCACCAGCCTTCCTAGCACACTGAGGACCCTGGAGCTGCACAGCTGCGAAATCTCCATGATCTGG
TTGCAGAAAGAGCAGGACCCCACGGTGCTGCCTCTTCTGGAATGCATCGTGCTGGACCGAGTGCCGGCCT
TCCGCGATGAGCATCTGCAGGGCCTTACCCGATTCCGAGCCCTGCGCTCGCTGGTGCTGGGCGGCACCTA
CCGGGTCACTGAGACCGGGCTAGATGCCAGCCTGCAGGAGCTCAGCTACCTGCAAAGGCTTGAGGTGCTG
GGCTGCACCCTGTCAGCTGACAGCACGCTGCTGGCCATCAGCCGCCACCTTCGAGATGTGCGCAAGATTC
GGCTGACCGTTGGGGGCCTCTCAGCCCAGGGCCTGGTCTTCCTGGAGGGAATGCCTGTCCTGGAGAGTTT
GTGCTTCCAGGGTCCCCTTATCACCCCAGACATGCCCACACCCACTCAGATTGTGTCCTCCTGCCTCACC
ATGCCGAAGCTCAGAGTGCTTGAGGTGCAAGGGCTGGGCTGGGAGGGTCAGGAAGCAGAGAAAATCCTGT
GCAAGGGCCTGCCCCACTGCATAGTTATTGTTAGGGCTTGTCCCAAAGAATCCATGGATTGGTGGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

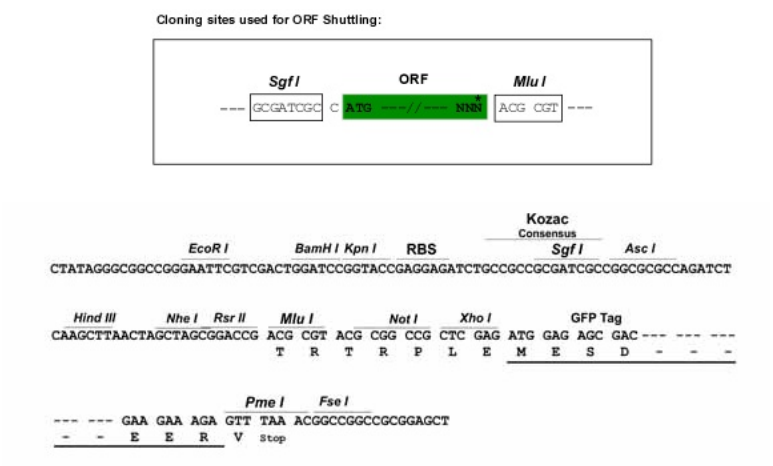
>MG204773 representing BC054471
Red=Cloning site Green=Tags(s)

MATLFDLPDLVLLEIFSYLPVRDRIRISRVCHRWKRLVDDRWLWRHVDLTLYTMRPKVMWHLLRRYMASR
LYSLRMGGYLFSGSQAPQLSPALMRALGQKCPNLKRLCLHVADLSMVPITSLPSTLRTLELHSCEISMIW
LQKEQDPTVLPLLECIVLDRVPAFRDEHLQGLTRFRALRSLVLGGTYRVTETGLDASLQELSYLQRLEVL
GCTLSADSTLLAISRHLRDVRKIRLTVGGLSAQGLVFLEGMPVLESLCFQGPLITPDMPTPTQIVSSCLT
MPKLRVLEVQGLGWEGQEAEKILCKGLPHCIVIVRACPKESMDWWM

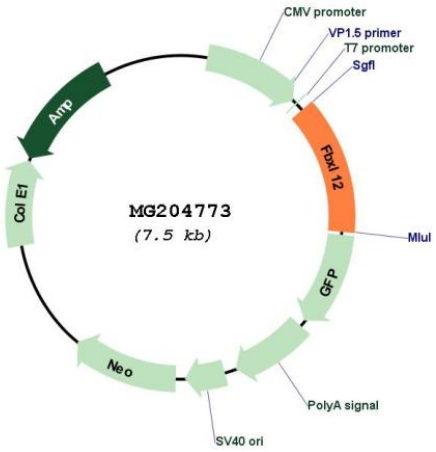
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC054471

ORF Size: 980 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:	BC054471, AAH54471
RefSeq Size:	2112 bp
RefSeq ORF:	980 bp
Locus ID:	30843
Cytogenetics:	9 A3
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]