

Product datasheet for **MC228186**

Fbxw11 (NM_001271348) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxw11 (NM_001271348) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxw11
Synonyms:	2310065A07Rik; AA536858; BTRC2; BTRCP2; Fbxw1b; HOS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228186 representing NM_001271348
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGACTCGGTGATTGAAGACAAGACCATCGAGCTCATGAACACTTCAGTTATGGAAGATCAAA
 ATGAAGATGAGTCCCAAAGAAAAGTGCTTTTGGCAGATCAGTAATGGAACGTCATCTGTGATTGTCTC
 CAGAAAGAGGCCGTCAGAGGGAACTACCAGAAAAGAAAAGGACTTGTGCATTAAGTACTTTGACCAGTGG
 TCTGAATCAGATCAGGTGGAATTTGTGGAGCATCTTATCTCACGGATGTGCATTATCAGCATGGACATA
 TTAACTCTTACCTGAAGCCCATGTTGCAGCGGGACTTTTACTGCTTTACCAGAGCAAGGCTTAGATCA
 CATAGCAGAAAACATTCTCTCTACCTGGATGCCAGGTCTCTGTGTGCAGCAGAGCTGGTGTGTAAGAA
 TGGCAGCGAGTGATCTCAGAAGGGATGCTTTGGAAGAAGCTGATTGAGAGGATGGTGCACCGACCCTC
 TCTGGAAGGGACTCTCAGAAAGAAGAGGCTGGGATCAGTACCTGTTTAAAAACAGACCTACAGATGGCCC
 TCCCAACTCATTTTATAGATCATTATACCCAAAGATTATCCAGGACATAGAGACCATAGAATCCAACCTGG
 CGGTGTGGACGACACAACCTTGACAGAGGATCCAGTGCCGCTCTGAAAATAGTAAGGGTGTCTACTGTTGC
 AATATGATGATGACAAAATTATCAGTGGCTCCGGGACAACCTCTATCAAGATCTGGGATAAAAGCAGCTT
 GGAATGTTTGAAGTGCTAACGGGCCACACAGGCTCTGTCCTCTGCTCCAGTATGATGAGCGAGTCATT
 GTAAGTGGTTCTCAGACTCCACGGTGAGAGTCTGGGATGTGAACACTGGTGAGGTGCTCAACACTCA
 TCCACCACAATGAAGCCGTAAGTGCACCTTACGCTTACGCAATGGACTGATGGTGACTTGTTCACAGGACCG
 TTCCATTGCCGTGTGGGACATGGCTTCTGCCACCGATACACTTACGCCGTGTTCTGGTTGGCCACCGT
 GCTGCTGCAATGTAGTAGACTTTGATGATAAAACATCGTGTCTGCTTACAGGAGACAGGACCATTAAG
 TGTGGAGCAGCAGCACATGTGAGTTTGTCCGCACTCTGAATGGGCACAAGCGAGGCATCGCTGTGCA
 GTACCGCGACCGCTTGTGTTAGTGGATCAGATAATACCATCCGGTTATGGGATATTGAATGTGGT
 GCCTGTTTAAAGTCTAGAGGGCACGAAGAATTGGTCCGGTGCATCCGTTTTGATAAAGAGGATTG
 TCAGTGGCGCCTATGATGGGAAGATTAAGTCTGGGACTTGCAGGCTGCTTTGACCCTCGGGCCCCAGC
 AAGCACATTGTGTCTGCGCACCTTGGTGGAACTCTGGACGTGTGTTTCGGCTGCAGTTTGTGAGTTT
 CAGATCATCAGCAGCTCCCATGATGACACTATTTTGTGGGATTTCTTAAATGTGCCTCCAGTGCCC
 AGAATGAGACCCGCTCTCCCTCCAGAACCTACACCTATATCTCCAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001271348
- Insert Size:** 1590 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:

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_001271348.1](#), [NP_001258277.1](#)

RefSeq Size: 4237 bp

RefSeq ORF: 1590 bp

Locus ID: 103583

UniProt ID: [Q5SRY7](#)

Cytogenetics: 11 A4

Gene Summary: Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins. SCF(FBXW11) mediates the ubiquitination of phosphorylated CTNNB1 and participates in Wnt signaling. SCF(FBXW11) mediates the ubiquitination of phosphorylated NFKBIA, which degradation frees the associated NFKB1 to translocate into the nucleus and to activate transcription. SCF(FBXW11) mediates the ubiquitination of IFNAR1. SCF(FBXW11) mediates the ubiquitination of CEP68; this is required for centriole separation during mitosis (By similarity). Involved in the oxidative stress-induced a ubiquitin-mediated decrease in RCAN1. Mediates the degradation of CDC25A induced by ionizing radiation in cells progressing through S phase and thus may function in the intra-S-phase checkpoint. Has an essential role in the control of the clock-dependent transcription via degradation of phosphorylated PER1 and phosphorylated PER2. SCF(FBXW11) mediates the ubiquitination of CYTH1, and probably CYTH2 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (c) is shorter than isoform a.