

Product datasheet for **RC215951**

FBXW9 (NM_032301) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW9 (NM_032301) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXW9
Synonyms:	Fbw9; MEC-15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215951 representing NM_032301
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGCTTCCCCTAGGGCGGTGCGATGATTCCCACCTGGGACGATGACTCGGACCCAGAGTCAGAGA
 CAGACCCAGACGCGCAGGCCAAGGCCTACGTGGCCCGCGTTCTCAGTCCGCCAAAATCCGGGCTGGCGTT
 CTCGCGCCCCCTCGCAGCTATCCACACCCGCCGCTCCCCGAGCGCTTCGGAGCCTCGGGCCGCGTCCAGG
 GTTTCGGCCGTAAGTGAGCCGGGCTTCTGAGCCTTCCCCGGAGCTGCTGCTCGAGATCTGCTCTACCC
 TGGACGCCCGCTCGTGTCCACGTCTGTGCGGGGTGTGCCACGCGCTCCGCGACCTCGTGTCTGACCA
 TGTCACTGGAGGCTACGCGCGCTACGCCGCGTACGCGCGCCCTACCCAGTGGTGAAGAGAAGAACTTT
 GACTGGCCGGCAGCCTGCATTGCGCTGGAGCAGCACCTGTCCCGTGGGAGAGGATGGGCGCTGGGTGCG
 AATACTTCTGCCTGGCCGAAGGCCACGTGGCTTCCGTTGACTCAGTGTCTGCTGCTCCAGGTTGGGTCACT
 CTGTCTGTGCGGCTCCCGAGATCGCAACGTCAACTTGTGGGACCTGCGGCAGCTGGGAGCGAGTCCAAC
 CAGGTTTCTGATCAAGACCTTAGGCACTAAGCGAAATAGTACCCATGAGGGCTGGGTGTGGTCACTGGCAG
 CGCAGGACCACCGCGTGTGCTCCGGCTCCTGGGACAGCACAGTGAAGCTCTGGGACATGGCAGCGGATGG
 GCAGCAGTTTCGGCGAGATAAAGGCCAGCTCAGCCGTGCTGTGCCTCTCCTACCTGCCTGACATCCTGGTG
 ACTGGCACCTATGACAAGAAGGTGACCATCTACGACCCAGAGCCGGCCAGCCCTGTTGAAGCACCAGC
 AACTACACTCCAGACCCGTGTGACCCTGCTGGCGGATGACCGGCACATCATCTCAGGCAGCGAGGACCA
 CACCCTGGTGGTGGTGACCGCCGAGCCAAACAGCGTCTGCAGCGTCTGCAGTGGACTCCTACCTGCTC
 TGCATGTCTACCAGGAACCCAGCTCTGGGCTGGTGACAACAGGGCCTGCTGCAGTCTTCCGCAACC
 GCAACGGCTGCTTCCAGCTTATCCGGTCTTTGATGTGGGCCACAGCTTTCCCATCACTGGGATCCAGTA
 CTCCGTGGGAGCCTTGTACACCACATCCACTGACAAGACCATCCGGGTGCACGTGCCACAGACCCACCA
 AGGACCATTTGCACCCGAAGGCATGACAATGGGCTCAATAGGGTCTGTGCTGAGGGCAACCTGGTGGTGG
 CCGGCTCTGGAGACCTGTGCTAGAGGTCTGGAGGCTGCAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215951 representing NM_032301
 Red=Cloning site Green=Tags(s)

MELPLGRCDSDRTWDDSDPESETDPDAQAKAYVARVLSPPKSGLAFSRPSQLSTPAASPSASEPRAASR
 VSAVSEPGLLSLPPELLLEICSYLDARLVHLVSRVCHALRDLVSDHVTWRLRALRRVRAPYPVVEEKNF
 DWPAACIALEQHLSRWAEDGRWVEYFCLAEGHVASVDSVLLQGGSLCLSGSRDRNVNLWDLRQLGTESN
 QVLIKTLGTRNSTHEGWVSLAAQDHRVCSGWDSTVKLWDMAADGQQFGEIKASSAVLCLSYLPDILV
 TGTYDKKVTIYDPRAGPALLKHQQLHSRPVLTLLADDRHIIISGSEDHTLVVVDRRANSVLQRLQLDSYLL
 CMSYQEPQLWAGDNQGLLHVFAANRNGCFQLIRSFVGHSPITGIQYSVGALYTTSTDKTIRVHVPTDPP
 RTICTRRHDNGLNRVCAEGNLVVAGSGDLSLEWRLQA

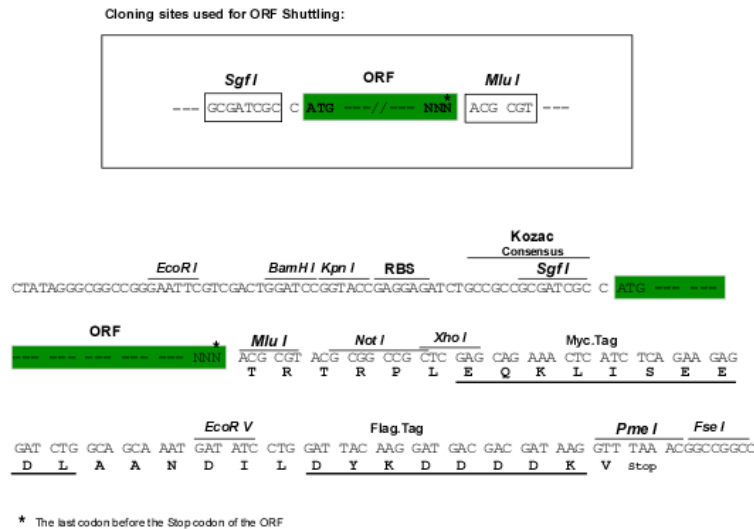
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8028_c12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032301

ORF Size: 1374 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032301.3](#)

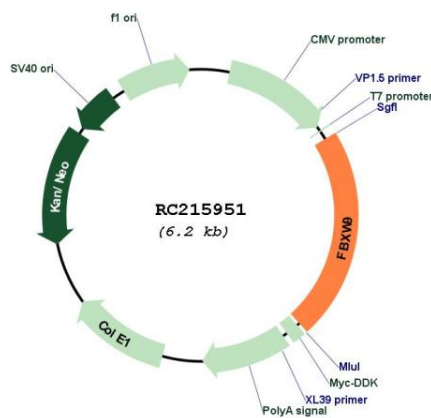
RefSeq Size: 1750 bp

RefSeq ORF: 1377 bp

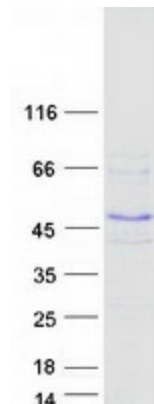
Locus ID: 84261

UniProt ID:	<u>Q5XUX1</u>
Cytogenetics:	19p13.13
Domains:	WD40, F-box
Protein Families:	Druggable Genome
MW:	50.6 kDa
Gene Summary:	Members of the F-box protein family, such as FBXW9, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603034), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC215951



Coomassie blue staining of purified FBXW9 protein (Cat# [TP315951]). The protein was produced from HEK293T cells transfected with FBXW9 cDNA clone (Cat# RC215951) using MegaTran 2.0 (Cat# [TT210002]).