

Product datasheet for **RC205840**

FBXW2 (NM_012164) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW2 (NM_012164) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXW2
Synonyms:	FBW2; Fwd2; Md6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205840 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAGAAAGGACTTTGAGACATGGCTTGATAACATTTCTGTTACATTTCTTTCTCTGACGGACTTGC
 AGAAAAATGAAACTCTGGATCACCTGATTAGTCTGAGTGGGCGAGTCCAGCTCAGGCATCTCTCCAATAA
 CCTAGAGACTCTCCTCAAGCGGGACTTCTCAAACCTTCCCCTGGAGCTCAGTTTTTATTGTTAAAA
 TGGCTCGATCCTCAGACTTTACTCACATGCTGCCTCGTCTCTAAACAGTGAATAAGGTGATAAGTGCCT
 GTACAGAGGTGTGGCAGACTGCATGTAATAATTTGGGCTGGCAGATAGATGATTCTGTTCCAGGACGCTTT
 GCACTGGAAGAAGGTTTATTGAAGGCTATTTGAGAATGAAGCAACTGGAGGACCATGAAGCCTTTGAA
 ACCTCGTCATTAATTGGACACAGTGCCAGAGTGTATGCACTTTACTACAAAGATGGACTTCTCTGTACAG
 GGTGAGATGACTTGTCTGCAAAGCTGTGGGATGTGAGCACAGGGCAGTGCCTTTATGGCATCCAGACCCA
 CACTTGTGCAGCGGTGAAGTTTGTGAACAGAAGCTTGTGACAGGCTCCTTTGACAACACTGTGGCTTGC
 TGGGAATGGAGTCCGGAGCCAGGACCCAGCACTTTCCGGGGCACACGGGGCGGTATTTAGCGTGGACT
 ACAATGATGAACTGGATATCTTGGTGAGCGGCTCTGCAGACTTCACTGTGAAAGTATGGGCTTTATCTGC
 TGGGACATGCCTGAACACACTCACCGGGCACACGGAATGGGTACCAAGGTAGTTTTGCAGAAGTCAAAA
 GTCAAGTCTCTCTGCACAGTCTGGAGACTACATCCTCTTAAGTGCAGACAAAATAGATTAAGATTT
 GGCCAATTGGGAGAGAAATCAACTGTAAGTGCTTAAAGACATTGTCTGTCTCTGAGGATAGAAGTATCTG
 CCTGCAGCAAGACTTCATTTTGTGGCAATACATTGTCTGTAGTTCAGCACTTGGTCTCTACCAAGTGG
 GACTTTGCCAGTTATGATATTCTCAGGGTACCAAGACTCCTGAGATAGCAAACCTGGCCTTGGCTTGGCT
 TTGGAGATATCTTGGCCTGCTGTTTGAACACCGCTACCTGTACATCATGGACTTGGGACAGAGAGCCT
 GATTAGTCGCTGGCCTCTGCCAGAGTACAGGAAATCAAAGAGAGGCTCAAGCTTCTGGCAGGCGAAGCA
 TCTGGCTGAATGGACTGGATGGGCACAATGACACGGGCTTGGTCTTGGCACCGCATGCCTGACCACA
 GTATTCACCTGGTGTGTGGAAGGAGCACGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205840 protein sequence
 Red=Cloning site Green=Tags(s)

MERKDFETWLDNISVTFLSLTDLQKNETLDHLISLSGAVQLRHLNLETLLKRDFLKLPLELSFYLLK
 WLDPQTLTCLVSKQWNKVISACTEVWQTACKNLGWQIDDSVQDALHWKVVYLKAILRMKQLEDHEAFE
 TSSLIGH SARVYALYYKDGLLCTGSDDL SAKLWDVSTGQCYYGIQTHTCAAVKFDEQKLVGTSFDNTVAC
 WEWSSGARTQHFRGHTGAVFSVDYNDLDELIVSGSADFTVKVWALSAGTCLNTLTGHEWVTKVVLQKCK
 VKSLLHSPGDYILL SADKYEIKIWIPIGREINCKLKTLSVSEDRSICLPRLHFDGKYIVCSSALGLYQW
 DFASYDILRVIKTPEIANLALLGFGDIFALLFDNRYLYIMDLRTESLISRWPLPEYRKS KRGS SFLAGEA
 SWLNGLDGHNDTGLVFATSMPSHSIHLVLWKEHG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6064_h04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012164

ORF Size: 1362 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: [NM_012164.4](#)

RefSeq Size: 9186 bp

RefSeq ORF: 1365 bp

Locus ID: 26190

UniProt ID: [Q9UKT8](#)

Cytogenetics: 9q33.2

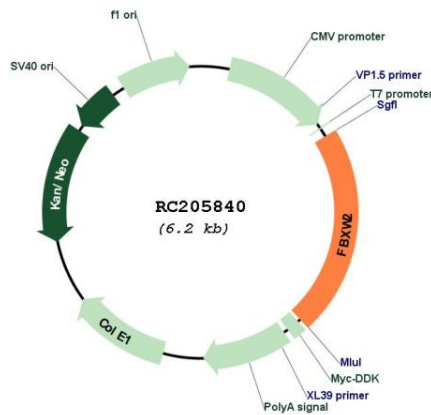
Domains: WD40, F-box

Protein Families: Druggable Genome

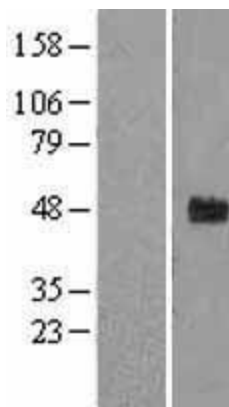
MW: 51.5 kDa

Gene Summary: F-box proteins are an expanding family of eukaryotic proteins characterized by an approximately 40 amino acid motif, the F box. Some F-box proteins have been shown to be critical for the ubiquitin-mediated degradation of cellular regulatory proteins. In fact, F-box proteins are one of the four subunits of ubiquitin protein ligases, called SCFs. SCF ligases bring ubiquitin conjugating enzymes to substrates that are specifically recruited by the different F-box proteins. Mammalian F-box proteins are classified into three groups based on the presence of either WD-40 repeats, leucine-rich repeats, or the presence or absence of other protein-protein interacting domains. This gene encodes the second identified member of the F-box gene family and contains multiple WD-40 repeats. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205840



Western blot validation of overexpression lysate (Cat# [LY415943]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205840 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).