

Product datasheet for **RG205840**

FBXW2 (NM_012164) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FBXW2
Synonyms:	FBW2; Fwd2; Md6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205840 representing NM_012164
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAGAAAGGACTTTGAGACATGGCTTGATAACATTTCTGTTACATTTCTTCTCTGACGGACTTGC
 AGAAAAATGAACTCTGGATCACCTGATTAGTCTGAGTGGGGCAGTCCAGCTCAGGCATCTCTCCAATAA
 CCTAGAGACTCTCCTCAAGCGGGACTTCTCAAACCTCTCCCTGGAGCTCAGTTTTTATTTGTTAAAA
 TGGCTCGATCTCAGACTTTACTCACATGCTGCCTCGTCTCTAAACAGTGAATAAGGTGATAAGTGCCT
 GTACAGAGGTGTGGCAGACTGCATGTAAAAATTTGGGCTGGCAGATAGATGATTCTGTTTCTGAGACGCTTT
 GCACTGGAAGAAGGTTTTTTGAAGGCTATTTTGAGAATGAAGCAACTGGAGGACCATGAAGCCTTTGAA
 ACCTCGTCATTAATTGGACACAGTGCAGAGTGTATGCACTTTACTACAAAGATGGACTTCTCTGTACAG
 GGTGAGATGACTTGTCTGCAAGCTGTGGGATGTGAGCACAGGGCAGTGCCTTATGGCATCCAGACCCA
 CACTTGTGCAGCGGTGAAGTTTGATGAACAGAAGCTTGTGACAGGCTCCTTTGACAACACTGTGGCTTGC
 TGGGAATGGAGTTCGGAGCCAGGACCCAGCACTTTCGGGGGCACACGGGGCGGTATTTAGCGTGGACT
 ACAATGATGAAGTGGATATCTTGGTGAGCGGCTCTGCAGACTTCACTGTGAAAGTATGGGCTTTATCTGC
 TGGGACATGCCTGAACACACTACCGGGCACACGGAATGGGTACCAAGGTAGTTTTGCAGAAGTGCAAA
 GTCAAGTCTCTCTTGACAGTCTGGAGACTACATCCTTTAAGTGCAGACAAATAGAGATTAAAGATT
 GGCCAATTGGGAGAGAAATCAACTGTAAAGTCTTAAAGACATTGTCTGTCTCTGAGGATAGAAGTATCTG
 CCTGCAGCCAAGACTTCATTTTGATGGCAAATACATTGTCTGTAGTTCAGCACTTGGTCTCTACCAAGTGG
 GACTTTGCCAGTTATGATATTCTCAGGGTCATCAAGACTCCTGAGATAGCAAACCTGGCCTTGGCTTGGCT
 TTGGAGATATCTTTGCCCTGCTGTTTGAACACCGCTACCTGTACATCATGGACTTGGGACAGAGAGCCT
 GATTAGTCGCTGGCCTCTGCCAGAGTACAGGAAATCAAAGAGAGGCTCAAGCTTCTGGCAGGCGAAGCA
 TCCTGGCTGAATGGACTGGATGGGCACAATGACACGGGCTTGGTCTTTGCCACCAGCATGCCTGACCACA
 GTATTCACCTGGTGTGTGGAAGGAGCACGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205840 representing NM_012164
 Red=Cloning site Green=Tags(s)

MERKDFETWLDNISVTFLSLTDLQKNETLDHLISLSGAVQLRHLNNLETLLKRDFLKLPLELSFYLLK
 WLDPQTLLTCCLVSKQWNKVISACTEVWQTACKNLGWQIDDSVQDALHWKVVYLKAILRMKQLEDHEAFE
 TSSLIGH SARVYALYYKDGLLCTGSDDL SAKLWDVSTGQCVYGIQHTCAAVKFDEQKLVTSFNDNTVAC
 WEWSSGARTQHFRGHTGAVFSVDYNDLDELIVSGSADFTVKVWALSAGTCLNTLTGHTIEWTKVVLQKCK
 VKSLLHSPGDYILLSADKYEIKIWIPIGREINCKLKLTVSSEDRSICLPRLHFDGKYIVCSSALGLYQW
 DFASYDILRVIKTPEIANLALLGFGDIFALLFDNRYLYIMDLRTESLISRWPLPEYRKSKRGSSFLAGEA
 SWLNGLDGHNDTGLVFATSMPDHSIHLVLWKEHG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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.

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

RefSeq: [NM_012164.4](#)

RefSeq Size: 9186 bp

RefSeq ORF: 1365 bp

Locus ID: 26190

UniProt ID: [Q9UKT8](#)

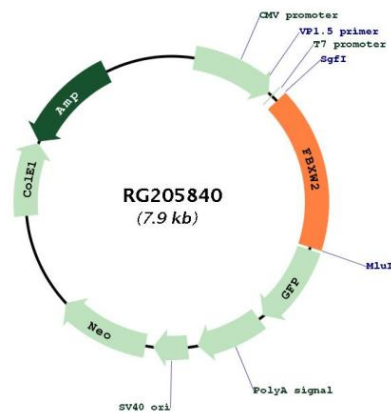
Cytogenetics: 9q33.2

Domains: WD40, F-box

Protein Families: Druggable Genome

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 RG205840