

## Product datasheet for **RC204371**

### **FBXW5 (NM\_018998) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXW5 (NM_018998) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXW5
Synonyms:	Fbw5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RC204371 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGAGGGCGGCACGCCCTGCTCCCCGACAGCCTGGTCTACCAGATCTTCTGAGCCTGGGCCGG  
 CCGACGTGCTGGCCGCCGGCTGGTGTGCCGCAATGGCAGGCCGTGTCGCGGGACGAGTTCCTGTGGAG  
 GGAGCAGTTCTACCGCTACTACCAGGTGGCCCGGACGTGCCCGACACCCAGCGGCCATGTCTGGTAC  
 GAGGAGTTCAGCGGCTGTATGACACGGTGCCTGCGTGGAGGTGCAGACGCTGCGGGAACACACAGACC  
 AGGTCCTGCACCTCAGCTTCTCCATTCCGGTACCAGTTCGCGTCTGCTCCAAGGACTGCACTGTGAA  
 GATCTGGAGAACGACCTGACCATCTCGTGTGCACAGCGGGACATGCGGCCCTACAACCTGGAGTAC  
 ACCCAGTTCCTCCAGTTCACAAGGACGACTCGTACTGCTGGCCTCGGGGTGTCTCTGGGGCCGACA  
 ACTCCTCATCCGGCGAGATTGCTGTATCAGCCTAGACTCCTTCGCGTCTGTCTCCGCGTGGGAAACA  
 GCCCTATGACGTGTTGGCTGTTGGCTCACCGAGACCAGCCTCATCTCGGGAACCTGCACCGCATCGGA  
 GATATCACCTCCTGCTCGGTGCTGTGGCTCAACAATGCCTTCCAGGATGTGGAGTCAGAGAACGTCAACG  
 TGGTGAAGCGGCTGTTCAAGATCCAGAACCTCAATGCCAGCACCGTCCGACGGTGTGGTGGCCGACTG  
 CAGCCGCTTCGACAGCCCTGACCTGCTGCTGGAAGCCGGTACCCCGCCACGTCCCCCTGCCGATCTTT  
 GACCTGGGACGACAACGAGGAGGTGGTGGCTGGCCCGCCCCCGCCACGCCAAGGAGGGCTTGGCGC  
 ACTTTCTGGACCGCTGCTGGAGGGGCGGGCGCAGCCACAGCTGTGCGAGCGCATGTAGAGACCAAGGT  
 GGCCGAGTGTGGCCAGGGCCACCAAGCCACCCGAGCGAGTGCACAGGCCCAAGAGCAAGTAC  
 CTCATCTTACCAGTGGCTGCCTCACCTACTCCCACACCAGATCGGCATCAAGCAGATCCTGCCACCC  
 AGATGACCACGGCAGGGCCGCTGGGTGAGGGCCGGGCTCCGATGCCTTCTTCGACCGCTGGACCA  
 CGTCATAGACATACCGGACACATCATCGGCATGGGCCTGTGCGCCGACAAACAGGTACCTGTACGTGAAC  
 AGCCGCGCTGGCCCAACGGTGCCTGGTGGCCGACCCATGCAGCCGCCACCAATCGCGGAGGAGATTG  
 ACCTGCTGGTGTTCGACCTCAAGACCATGCGGGAGGTGAGGCGGGCTCTGCGTGCACCCGCGCTACAC  
 GCCCAACGACGAGTGCTTCTTACTTCTGGACGTCAGCAGGGACTTCTGGCCAGCGGGCGGAGGAC  
 CGGCACGGCTACATCTGGGACCGCCACTACAACATCTGTCTGGCCAGGCTGCGGCACGAGGATGTGGTCA  
 ACTCAGTGGTCTTCACTCCAGGAGCAGGAGTGTGCTCACGGCCAGCGACGACGCCACCATCAAAGC  
 CTGGCGCTCCCGACCATGCGCGTCTCCAGGCACCTGCCCCAGGCCTCGCACCTTCTTCTCTG  
 CTTGCCAGCCAGAGGCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>RC204371 protein sequence  
 Red=Cloning site Green=Tags(s)

MDEGGTPLLPSLVYQIFLSLGPADVLAAGLVCRQWQAVSRDEFWREQFYRYQVARDVPRHPAAMSWY  
 EEFQRLYDTVPCVEVQTLREHTDQVLHLSFHSQYQFASCSKDCVTKIWSNDLTIISLLHSADMRPNWSY  
 TQFSQFNKDDSLLLASGVFLGPHNSSGEIAVISLDSFALLSRVRNKPVDVFGWLTETSLISGNLHRIG  
 DITSCSVLWLNNAFQDVESENVNVKRLFKIQNLNASTVRTVMVADCSRFDSPDLLLEAGDPATSPCRIF  
 DLGSDNEEVVAGPAPAHAKELRHFLDRVLEGRAQPQLSERMLETKVAELLAQGHKPPERSATGAKSKY  
 LIFTTGCLTYSQIIGIKQILPHQMTTAGPVLGEGRGSDAFFDALDHVIDIHGHIIGMGLSPDNRYLYVN  
 SRAWPNGAVVADPMQPPPIAEEIDLLVFDLKTMRVRRALRAHAYTPNDECFFIFLDVSRDFVASGAED  
 RHGYIWRHYNICLARLRHEDVNSVVFSPQEQELLLTASDDATIKAWRSPRTMRVLQAPRPRPRTFFSW  
 LASQRR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6277\\_b09.zip](https://cdn.origene.com/chromatograms/mk6277_b09.zip)

**Restriction Sites:**

Sgfl-MluI

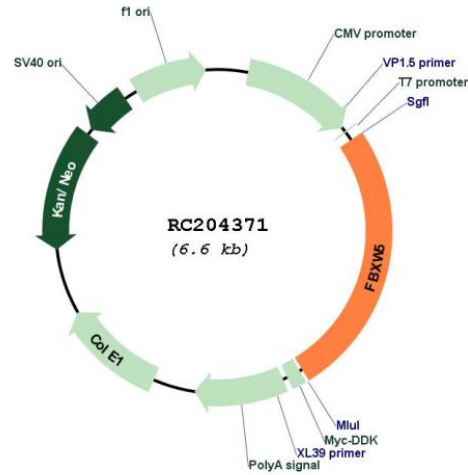
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_018998  
 ORF Size: 1698 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_018998.4</a>
<b>RefSeq Size:</b>	2390 bp
<b>RefSeq ORF:</b>	1701 bp
<b>Locus ID:</b>	54461
<b>UniProt ID:</b>	<a href="#">Q969U6</a> , <a href="#">A0A024R8H7</a>
<b>Domains:</b>	WD40, F-box
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	63.9 kDa
<b>Gene Summary:</b>	This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene contains WD-40 domains, in addition to an F-box motif, so it belongs to the Fbw class. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene, however, they were found to be nonsense-mediated mRNA decay (NMD) candidates, hence not represented. [provided by RefSeq, Jul 2008]