

Product datasheet for **SC111816**

FBXW5 (NM_018998) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW5 (NM_018998) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXW5
Synonyms:	Fbw5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111816 sequence for NM_018998 edited (data generated by NextGen Sequencing)

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ATGGACGAGGGCGGCACGCCCCCTGCTCCCCGACAGCCTGGTCTACCAGATCTTCCTGAGC
CTGGGCCCCGGCCGACGTGCTGGCCGCGGGCTGGTGTGCCGCCAATGGCAGGCCGTGTCG
CGGGACGAGTTCTGTGGAGGGAGCAGTTCTACCGCTACTACCAGGTGGCCCGCAGCTG
CCCCGACACCCAGCGCCATGTCTGGTACGAGGAGTTCCAGCGGCTGTATGACACGGTG
CCCTGCGTGGAGGTGCAGACGCTGCGGGAACACACAGACCAGGTCTGCACCTCAGCTTC
TCCCATTCGCGGTACCAGTTTCGCGTCTGCTCCAAGGACTGCACTGTGAAGATCTGGAGC
AACGACCTGACCATCTCGCTGCTGCACAGCGCGGACATGCGGCCCTACAACCTGGAGCTAC
ACCCAGTTCTCCAGTTCAACAAGGACGACTCGCTACTGCTGGCCTCGGGGGTGTTCCTG
GGGCCGCAACAACCTCATCCGGCGAGATTGCTGTATCAGCCTAGACTCCTTCGCGCTG
CTGTCCCGCGTGCAGAACAGCCCTATGACGTGTTTGGCTGTTGGCTCACCGAGACCAGC
CTCATCTCGGGGAACCTGCACCGCATCGGAGATATCACCTCTGCTCGGTGCTGTGGCTC
AACATGCCTTCCAGGATGTGGAGTCAGAGAACGTCAACGTGGTGAAGCGGCTGTTCAAG
ATCCAGAACCTCAATGCCAGCACCGTCCGCACGGTGATGGTGGCCGACTGCAGCCGCTTC
GACAGCCCTGACCTGCTGCTGGAAGCCGGTGACCCGGCCACGTCCCCCTGCCGCATCTTT
GACCTGGGCAGCGACAACGAGGAGGTGGTGGCTGGCCCGCCCCCGCCACGCCAAGGAG
GGCTTGCGGCACTTTCTGGACCGCGTGCTGGAGGGGCGGGCGCAGCCACAGCTGTGCGAG
CGCATGCTAGAGACCAAGGTGGCCGAGCTGCTGGCCAGGGCCACACCAAGCCACCCGAG
CGCAGTGCCACAGGCGCCAAGAGCAAGTACCTCATCTTACCAGTGGCTGCCTACCTAC
TCCCCACACCAGATCGGCATCAAGCAGATCCTGCCACACCAGATGACCACGGCAGGGCCC
GTGCTGGGTGAGGGCCGGGGCTCCGATGCCTTCTTCGACGCGCTGGACCACGTATAGAC
ATACACGGACACATCATCGGCATGGGCCGTGTCGCCCACAACAGGTACCTGTACGTGAAC
AGCCGCGCTGGCCCAACGGTGCGGTGGTGGCCGACCCATGCAGCCGCCACCAATCGCG
GAGGAGATTGACCTGCTGGTGTTCGACCTCAAGACCATGCGGGAGGTGAGCGGGGCTCTG
CGTGCGCACCGCGCTACACGCCCAACGACGAGTGCTTCTTCATCTTCTGGACGTGAGC
AGGGACTTCTGTGGCCAGCGGGCGGAGGACCGGCACGGCTACATCTGGGACCGCCACTAC
AACATCTGTCTGGCCAGGCTGCGGCACGAGGATGTGGTCAACTCAGTGGTCTTCACTCCC
CAGGAGCAGGAGTGTGCTCACGGCCAGCGACGACGCCACCATCAAAGCCTGGCGCTCC
CCACGCACCATGCGCGTCTCCAGGCACCTCGCCACGGCCTCGACCTTCTTCTCTG
CTTGCCAGCCAGAGGCGCTGA
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Clone variation with respect to NM_018998.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018998 unedited

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CATATTTGTATACGATTACTATAGGCGGCACGCGAATTCGCACGAGGCGGCGCATCGGGC
GGAGGCGGCCGTGGGCCGCTGGGCAGAAATGTCACGATGGACGATGGCGGCACGCCCTG
CTCCCCGACAGCCTGGTCTACCATATCTTCTGAGCCTGGGCCCGGCCGACGTGCTGGCC
GCCGGGCTGGTGTGCCGCAATGGCAGGCCGTGTCGCGGGACGAGTTCTGTGGAGGGAG
CAGTTCTACCGCTACTACCAGGTGGCCCGCAGCTGCCCGACACCCAGCGGCCATGTCC
TGGTACGAGGAGTTCAGCGGCTGTATGACACGGTGCCCTGCGTGGAGGTGCAGACGCTG
CGGGAACACACAGACCAGGTCTGCACCTCAGCTTCTCCATTCCGGGTACCAAGTTCGCG
TCCTGCTCCAAGGACTGCACTGTGAAGATCTGGAGCAACGACCTGACCATCTCGTGCTG
CACAGCGCGGACATGCGGCCCTACAACCTGGAGCTACACCCAGTTCTCCAGTTCAACAAG
GACGACTCGTACTGCTGGCCTCGGGGGTGTTCCTGGGGCCGCAACTCCTCATCCGGC
GAGATTGCTGTATCAGCCTATACTCCTTCGCGCTGCTGTCCCGCGTGCGGAACAAGCCC
TATGACGTGTTTGGCTGTTGGCTCACCGAGACCAGCCTCATCTCGGGGAACCTGCACCGC
ATCGGAGATATCACCTCTGCTCAGTGCTGTAGCTCATACATGCCTTNCATGATGTGGAG
TCAGATAACGTCAACGTGGGTGATGCGGCTGTTCAAGATCCATATCCTCATGCCATCACC
GTCCCACGGTGATGGTGGCCGACTGCATCCGCTTCGAAGCCCTGACCTGCTGCTGGAATC
CAGTGACCCGTACAGTNCCTGNCGATCTTGACTGCACGAAAAANNNGNNNGNNGGGGGG
GGGGGNNNG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018998 unedited <pre>TCGAGTAAAAACCTTTTTTTTTTGTGTTGCCAACTGTTTATTCAGGGCCCTGGACGGG TGGTGCGTGGACATGCAACACACTCGGGCCACAGCAGCGTGACCGGCCGCTCCAATCC CCGGGCGCACAACCACAGCCAGGAGCAGCCCCTGCCACCACTGGGCCACCGTCCAGGGCC CCACAGGACCAGCCGAAGGTGCCCCGGGCGGAGGCCAGCTGGGTCAAGTGATCCCTAGC CTGGGGTTGAGTGAGGAGCGGCACCCCCAGTATCTGTGTACCCAAGTTGCCAGGAGG CCGAGGGGGCCTTGGGCTCCATCTGCACTGGCCACCCCGTGCCAAGCATCACAGTGCCT GAGCAAGTTTGTGTGTGAACGTGTGGCGGGCCTGGTTGTCCCTTCCTAAAGCGTAACT GCTATAAGCATCTCCACCTCTCCCGCTCGGAAAAAGCCACAGAGCCTGGCGATGTCCTC AAGGGGTCCCGGTGGCTCCAGTGCAACCCAGCACACCTCAGCGCCTCTGGCTGGCAAGCCA GGAGAATAAAGTGCAGGCCGTGGGCGAGGTGCCTGGAGGACGCGCATGGTGCCTGGGA GCGCCAGGCTTTGATGGTGGCGTCGCTGGCCGTGAGCAGCAGCTCCTGCTCTGGGG ACTGAAGACCACTGAGTTGACCACATCCTCGTGCCGACGCTGGCCAGACAGATGTTTGT ATGGCGGTCCCAGATGTAGCCGTGCCAGTGCTTCGCCCCGCTGGCCACGAAAGTCCCTGC TGACGTCCAGGAAGAAGAAAAGCACTCCTCCTGGGCGTGTATGCCCCGTGCCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018998
Insert Size:	2400 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).
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:	<u>NM_018998.2, NP_061871.1</u>
RefSeq Size:	2387 bp
RefSeq ORF:	1701 bp
Locus ID:	54461
UniProt ID:	<u>Q969U6</u>
Cytogenetics:	9q34.3
Domains:	WD40, F-box
Protein Families:	Druggable Genome

Gene Summary:

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]