

Product datasheet for SC115470

FBXW2 (NM_012164) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW2 (NM_012164) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXW2
Synonyms:	FBW2; Fwd2; Md6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115470 sequence for NM_012164 edited (data generated by NextGen Sequencing)

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ATGGAGAGAAAGGACTTTGAGACATGGCTTGATAACATTTCTGTTACATTTCTTTCTCTG
ACGGACTTGCAGAAAAATGAACTCTGGATCACCTGATTAGTCTGAGTGGGGCAGTCCAG
CTCAGGCATCTCTCCAATAACCTAGAGACTCTCCTCAAGCGGGACTTCTCAAACCTCTT
CCCCTGGAGCTCAGTTTTTATTTGTTAAAATGGCTCGATCCTCAGACTTTACTCATATGC
TGCCTCGTCTCTAAACAGTGGAAATAAGGTGATAAGTGCCTGTACAGAGGTGTGGCAGACT
GCATGTAAAAATTTGGGCTGGCAGATAGATGATTCTGTTGAGGACGCTTTGCACTGGAAG
AAGTTTTATTTGAAGGCTATTTTGAGAATGAAGCAACTGGAGGACCATGAAGCCTTTGAA
ACCTCGTCATTAATTGGACACAGTGCCAGAGTGTATGCACCTTTACTACAAAGATGGACTT
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GTTTATGGCATCCAGACCCACACTTGTGCAAGCGGTGAAGTTTGATGAACAGAAGCTTGTG
ACAGGCTCCTTTGACAACACTGTGGCTTGTGGGAATGGAGTTCCGGAGCCAGGACCCAG
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CTGTTTGACAACCGCTACCTGTACATCATGGACTTGGGACAGAGAGCCTGATTAGTCGC
TGGCCTCTGCCAGAGTACAGGAAATCAAAGAGAGGCTCAAGCTTCTGGCAGGCGAAGCA
TCCTGGCTGAATGGACTGGATGGGCACAATGACACGGGCTTGGTCTTTGCCACCAGCATG
CCTGACCACAGTATTCACCTGGTGTGTTGGAAGGAGCACGGCTGA

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Clone variation with respect to NM_012164.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012164 unedited
 TTCAAATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGACGCAG
 GCAGCNACCGGAGCCGCTCCCCTGTGAGGCTGCGGACCGGGAGCAGCGGCCGAGCGCC
 ATGGCTGCGGAGCGGACCCGGCCGCTGCAAGGCTCTGGCGGTCCGAGCGTGCCTAGTAGC
 TGTGAACCCGGCGCGAGGTCCCAGGGCCCGGGCGCTCGCTCAGGTAATTTTTCCATAA
 CCTTATGGAGAGAAAGGACTTTGAGACATGGCTTGATAACATTTCTGTTACATTTCTTTC
 TCTGACGGACTTGCAAAAAATGAAACTCTGGATCACCTGATTAGTCTGAGTGGGGCAGT
 CCAGCTCAGGCATCTCTCAATAACCTAGAGACTCTCTCAAGCGGGACTTCCTCAAACCT
 CCTCCCTGGAGCTCAGTTTTTATTTGTTAAAATGGCTCGATCCTCAGACTTTACTCAC
 ATGCTGCCTCGTCTCTAAACAGTGAATAAGGTGATAAGTGCCTGTACAGAGGTGTGGCA
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 TGAACCTCGTCATTAATTGGACACAGTGCCAGAGTGTATGCACNTACTACAAAGATGG
 ACTTCTGTACAGGTCAGATGACTTGTCTGCANAGCTGTGGGATGTGAGCACAGGGCA
 GTGCGTTTATGGCATCCAGACCCACACTTGTGCAGCGGTGAAAGTTTGATGAACAGAAGC
 TTGTGACAGGCTCCTTTGACACACTGTGGCTTGCTGGNAATGGAGTCCGGAGCCAGGACC
 CACACTTTCGGGGCACACGGGGCCGATTTAGCGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012164 unedited
 NNNNTTTTACTCTGGACCCGCGCCGCATNCTANGANCGAGTTTTTTTTTTTTTTTTTTTT
 TTTAAAAATAAACTTTTTTACTTAA
 AACCAATACTCCACTCAAAAAAATGAACCCAAAAGGCATCCTTTAACCTGGCCAACAT
 AACTAAGTCCAAAGGAAGCCAAGGGGGCCCCATTAACATGCTGGGTTGTATGTAAAAA
 AAAAAAGCCCTCCCCACCCGAGCCCTGGCCCTGGAATAAATAAAAAAGGATTGGG
 CCCTGGGGGAAGAAACATTAGGGGAAAACCTTTGGTTAATGCAGTCGGTTGCCGAAAAGG
 TTGCACCCAAAACCCGAAGCCCGGCACCCAAAGTAAGTAAGGGGGGGGGTTAATGGGG
 TAAACCGGCTCCTTCCCAACACCAGGGGAATACTGGGGTTCAGGCATGCTGGGGAAAAA
 ACCAACCCCGGTCATTGGGCCCATCCAGTCCATTAGCCAGGATGTTTCCCCTGCCAAA
 AAGCTTGAGCCTCTTTGATCCCTGAACTCGGCAGAGGCCAGCGACTAATCAGGCTC
 TCTGTCGCAAGTCCATGATGGACAGGGAAGCGGGTGACAAACAACAGGGGCAAGAAT
 TTTCCAAAGCCAAGCAAGGGCCAAGTTTGTATTTTCAGGAAGCTTGGAGACCCCTG
 GAAAAATACAAAACGGGGCAAAGCCCCCTGGGAAGAAAACCAAGGGGCGAAAAACAGA
 ACAAGGGGTTTTGCCCTAAAAAAGAAGATTTTGGGGGTGGGGGACAAAACCTTTTTTCC
 TCGAAAACAAAAAGGTTTTAAGACCTTCAGCGGGGTTTCTTCCCAAAGGGGGCCAAA
 CTTAATCTATATTGGGGCGCCCTAAAGGGGAGGACCCCCCAA

Restriction Sites:

NotI-NotI

ACCN:

NM_012164

Insert Size:

1910 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: [NM_012164.2](#), [NP_036296.1](#)

RefSeq Size: 1886 bp

RefSeq ORF: 1269 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]