OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC317741

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC317741 representing NM_012164.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAGAAAGGACTTTGAGACATGGCTTGATAACATTTCTGTTACATTTCTTTCTCTGACGGACTTG
CAGAAAAATGAAACTCTGGATCACCTGATTAGTCTGAGTGGGGCAGTCCAGCTCAGGCATCTCTCCAAT
AACCTAGAGACTCTCCTCAAGCGGGACTTCCTCAAACTCCTTCCCCTGGAGCTCAGTTTTTATTTGTTA
AAATGGCTCGATCCTCAGACTTTACTCACATGCTGCCTCGTCTCTAAACAGTGGAATAAGGTGATAAGT
GCCTGTACAGAGGTGTGGCAGACTGCATGTAAAAATTTGGGCTGGCAGATAGATGATTCTGTTCAGGAC
GCTTTGCACTGGAAGAAGGTTTATTTGAAGGCTATTTTGAGAATGAAGCAACTGGAGGACCATGAAGCC
TTTGAAACCTCGTCATTAATTGGACACAGTGCCAGAGTGTATGCACTTTACTACAAAGATGGACTTCTC
TGTACAGGGTCAGATGACTTGTCTGCAAAGCTGTGGGATGTGAGCACAGGGCAGTGCGTTTATGGCATC
CAGACCCACACTTGTGCAGCGGTGAAGTTTGATGAACAGAAGCTTGTGACAGGCTCCTTTGACAACACT
GTGGCTTGCTGGGAATGGAGTTCCGGAGCCAGGACCCAGCACTTTCGGGGGCACACGGGGGCGGTATTT
AGCGTGGACTACAATGATGAACTGGATATCTTGGTGAGCGGCTCTGCAGACTTCACTGTGAAAGTATGG
GCTTTATCTGCTGGGACATGCCTGAACACACTCACCGGGCACACGGAATGGGTCACCAAGGTAGTTTTG
CAGAAGTGCAAAGTCAAGTCTCTCTTGCACAGTCCTGGAGACTACATCCTCTTAAGTGCAGACAAATAT
GAGATTAAGATTTGGCCAATTGGGAGAGAAATCAACTGTAAGTGCTTAAAGACATTGTCTGTCTCTGAG
GATAGAAGTATCTGCCTGCAGCCAAGACTTCATTTTGATGGCAAATACATTGTCTGTAGTTCAGCACTT
GGTCTCTACCAGTGGGACTTTGCCAGTTATGATATTCTCAGGGTCATCAAGACTCCTGAGATAGCAAAC
TTGGCCTTGCTTGGCTTTGGAGATATCTTTGCCCTGCTGTTTGACAACCGCTACCTGTACATCATGGAC
TTGCGGACAGAGAGCCTGATTAGTCGCTGGCCTCTGCCAGAGTACAGGAAATCAAAGAGAGGCTCAAGC
TTCCTGGCAGGCGAAGCATCCTGGCTGAATGGACTGGATGGGCACAATGACACGGGCTTGGTCTTTGCC
ACCAGCATGCCTGACCACAGTATTCACCTGGTGTTGTGGAAGGAGCACGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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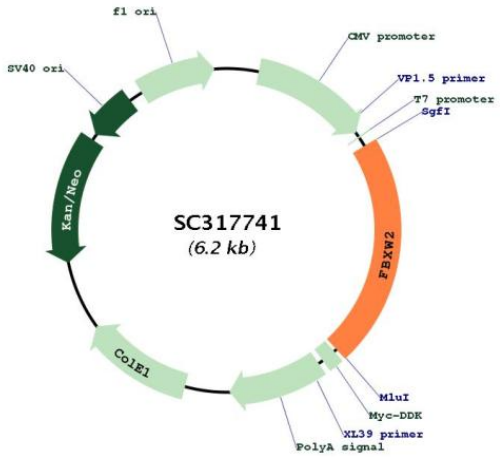
Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_012164

Insert Size: 1365 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_012164.3

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]