

## Product datasheet for **RC228901**

### **FBXW12 (NM\_001159929) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXW12 (NM_001159929) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXW12
Synonyms:	FBW12; FBXO12; FBXO35
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC228901 representing NM\_001159929  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCCCCTACCAGATTCAAGATCCCAAGCATTGGAATAGGATTGCAGACAGTATTACCTGTGGA  
 GGTCACTATCTCTGCAGAGATGGGACTGCAGCACTTCACCAATCAACACCTGGGCACACACATGGAA  
 GCAATTTTTCTGCATCAAAGAAGGAAGGAGCTTCGGTTGGCATTGGCACAGCCGATAACTTTATCTAC  
 AAAGTAACTAAGAACATCGCATTGAGACGGAGTTGGCTTATCTCTCAGGAAATAGACTTACAGTGGATG  
 AACAGGAGAAATCAATCATTTGTAGTGTATCTCCAAAGCAAGAGCTTTGTGCCTGGGATGTGCAAGAGGG  
 TACCATGATCTGGTCAAGCCCAGTCCAGGAGTTCATTTCTCAAATCTGGTAACCCTCCCTCAGATGCAT  
 CTCGCCATCACTATGGATCGGAAAAAACTATCAAAGTGTGGAAGTGTGAGGACAGGGACGCTCTGGCTG  
 TTCTCCCATGCCACAGCCCTGTTATTGCATGGAAGCCTATCTTACAAAGGATGGCCATTCCTGATGGT  
 TGGCGATGCTGCAGGTGACATCTACACATTTACTGCTGGGTTAAGAGATGTTTCTAAAGTTACTGCA  
 TTTCAATATGGTATTGACTTCTACACTGCTCTCCTGACAAGAAATGGGTATTTGCATGTGGGACATACA  
 GTCGTACCTTGCCACAGGTATTCCTCACAGAGTCTTACTGAGACCATCAGAAGGAGTGTATCCTCTGTC  
 TACCCTTCTCCACATAAATTATGTGCCAGCGCTGCTGGACCCAAAGGTGAAAAACAGGATAAAGTCTG  
 ATGTCCAAAGTAGCACTGGAAAAAGACAGAATTTATCACCTTTGATCTAACAACCAAGAAGACTGGAG  
 GCCAAACAGTCAATCAAGCATATGAGATCGCAAGTTTCCAGGTGGCAGCTCATCTGAAGTGCCTATCTG  
 GATGGGAGCCAGTGTGGATATATGATTGTCTTTACCAGTGGACCATACTTGTACTCTTCAGCATCACT  
 GGCTTCTGCTGCAACGATTTGAGGACCATCAGGCAGCCATCAACAACCTCTGGTGGATCCTTGGTATG  
 TGCTCACCACATCCGAGAACTCTGTGCAGGTGTACATGTGGGAAGAAGGAGGCCGCCATCCATACCTCAG  
 GAGCTGCTGTACCTGGAAAAACAGTGGCATGATCACACAACAGACAGCTGCATCTCCAGTGTGATGTGT  
 GATAATGCAAGCATAGTACTTAGGGTGAGGAAAGTAAGTGACTCCAGCATTCTGGTGTATTCTTTGA  
 ATACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

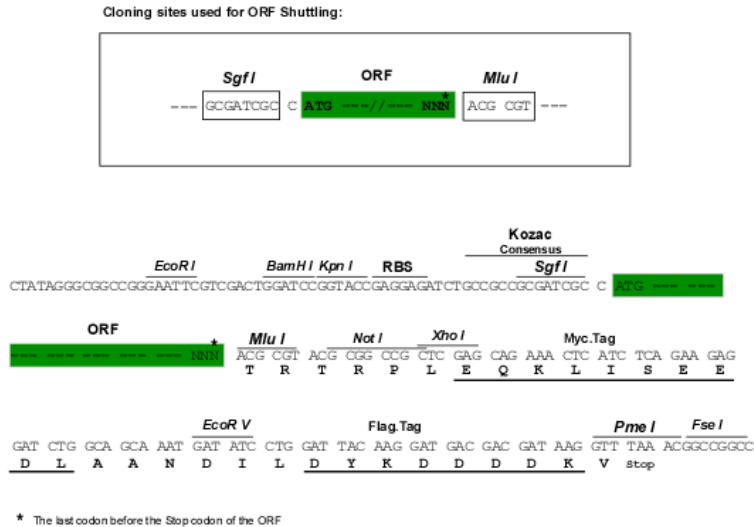
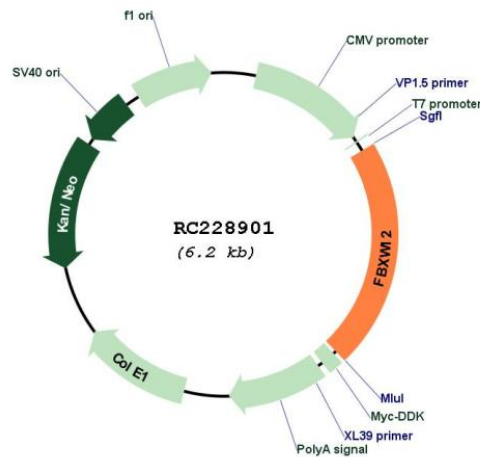
>RC228901 representing NM\_001159929  
 Red=Cloning site Green=Tags(s)

MSPTHQIQDPKHWNRIDSDYLWRSLSLQRWDCSNFTNQHLGHTWKQFFLHQRRKELRLALAQPNNFIY  
 KVTKNIAFETELAYLSGNRLTVDEQEKSIIICSVSPKQELCAWDVQEGTMIWSSPVQEFHFSNLVTLPMH  
 LAITMDRKKTIKVNQCQRDALAVLPMQPQCYCMEAYLTKDGPFLMVGDAAGDIYFTLPLGRDVSQVTA  
 FQYGVILLHCSPDKKWFACGTYSRTPQVFLTESLLRPSEGSPLSTLLPHKLCASACWTPKVKNRITL  
 MSQSSTGKKTEFITFDLTTKKTGGQTVIQAYEIASFQVAHLKCPIMWASDGYMIVFTSGPYLLLSIT  
 GFLLQRFEDHQAANNFVWDPCYVLTTSSENSVHVYMWEEGGRHPYLRSCCHLENTWHDHTDSCISSVMC  
 DNASIVLRVRKVS DSSILVMYSLNT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_001159929

**ORF Size:**

1335 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001159929.1, NP_001153401.1</u>
<b>RefSeq ORF:</b>	1338 bp
<b>Locus ID:</b>	285231
<b>UniProt ID:</b>	<u>Q6X9E4</u>
<b>Cytogenetics:</b>	3p21.31
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	50.7 kDa
<b>Gene Summary:</b>	Members of the F-box protein family, such as FBXW12, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603034), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]