

Product datasheet for **RG228901**

FBXW12 (NM_001159929) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW12 (NM_001159929) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXW12
Synonyms:	FBW12; FBXO12; FBXO35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228901 representing NM_001159929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCCCTACCAGATTCAAGATCCAAGCATTGGAATAGGATTGCAGACAGTGATTACCTGTGGA
 GGTCACTATCTCTGCAGAGATGGGACTGCAGCACTTCACCAATCAACACCTGGGCACACACATGGAA
 GCAATTTTTCTGCATCAAAGAAGGAAGGAGCTTCGGTTGGCATTGGCACAGCCGCATAACTTTATCTAC
 AAAGTAACTAAGAACATCGCATTGAGACGGAGTTGGCTTATCTCTCAGGAAATAGACTTACAGTGGATG
 AACAGGAGAAATCAATCATTTGTAGTGTATCTCCAAAGCAAGAGCTTTGTGCCTGGGATGTGCAAGAGGG
 TACCATGATCTGGTCAAGCCCAGTCCAGGAGTTCATTCTCAAATCTGGTAACCCTCCCTCAGATGCAT
 CTCGCCATCACTATGGATCGGAAAAAACTATCAAAGTGTGGAAGTGTGAGGACAGGGACGCTCTGGCTG
 TTCTCCCATGCCACAGCCCTGTTATTGCATGGAAGCCTATCTTACAAAGGATGGCCATTCTCTGATGGT
 TGGCGATGCTGCAGGTGACATCTACACATTTACTGCTGGGTTAAGAGATGTTTCTAAAGTTACTGCA
 TTTCAATATGGTATTGTACTTCTACACTGCTCTCCTGACAAGAAATGGGTATTTGCATGTGGGACATACA
 GTCGTACCTTGCCACAGGTATTCTCACAGAGTCTTACTGAGACCATCAGAAGGAGTGATCCTCTGTGTC
 TACCCTTCTCCACATAAATTATGTGCCAGCGCTGCTGGACCCAAAGGTGAAAAACAGGATAACACTG
 ATGTCCCAAAGTAGCACTGGAAAAAGACAGAATTTATCACCTTTGATCTAACAACCAAGAAGACTGGAG
 GCCAAACAGTCATCCAAGCATATGAGATCGCAAGTTCCAGGTGGCAGCTCATCTGAAGTGCCTATCTG
 GATGGGAGCCAGTGATGGATATGATTGTCTTTACCAGTGGACCATACTTGTACTCTTCAGCATCACT
 GGCTTCTGCTGCAACGATTTGAGGACCATCAGGCAGCCATCAACAACCTCTGGTGGATCCTTGCATG
 TGCTACCACATCCGAGAACTCTGTGCAGGTGTACATGTGGGAAGAAGGAGGCCGCATCCATACCTCAG
 GAGCTGCTGTACCTGGAAAAACAGTGGCATGATCACACAACAGACAGCTGCATCTCCAGTGTGATGTGT
 GATAATGCAAGCATAGTACTTAGGGTGAGGAAAGTAAGTGACTCCAGCATTCTGGTGATGTATTCTTTGA
 ATACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228901 representing NM_001159929
 Red=Cloning site Green=Tags(s)

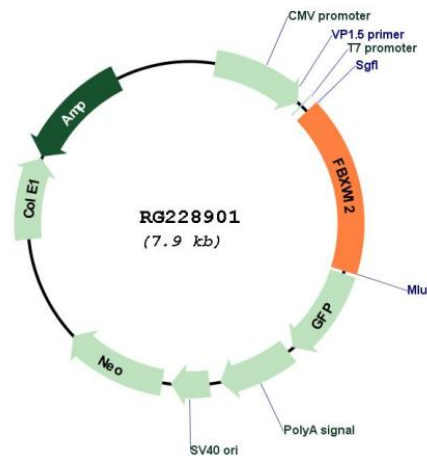
MSPTHQIQDPKHWNRADSDYLWRSLSLQRWDCSNFTNQHLGHTWKQFFLHQRRKELRLALAQPNNFIY
 KVTKNIAFETELAYLSGNRLTVDEQEKSIIICSVSPKQELCAWDVQEGMTIWSPPVQEFHFSNLVTLQPMH
 LAITMDRKKTIKVVNQCQRDALAVLPMPQPCYCMAYLTKDGPFLMVGDAAGDIYFTLPLGRDVSQVTA
 FQYGIIVLLHCSPDKKWFACGTYSRTPQVFLTESLLRPSEGSPLSTLLPHKLCASACWTPKVKNRITL
 MSQSSTGKKTEFITFDLTTKKTGGQTVIQAYEIASFQVAHLKCPIMMGASDGYMIVFTSGPYLLLFST
 GFLLQRFEDHQAANNFVWDPCYVLTTSNSVHVYMWEEGGRHPYLRSCHLENTWHDHTDSCISSVMC
 DNASIVLRVRKVSDDSSILVMYSLNT

TRTRPLE - GFP Tag - V

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).
Reconstitution Method:	<ol style="list-style-type: none">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_001159929.1, NP_001153401.1</u>
RefSeq Size:	1473 bp
RefSeq ORF:	1338 bp
Locus ID:	285231
UniProt ID:	<u>Q6X9E4</u>
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome
Gene Summary:	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]