

Product datasheet for **RG220761**

FBXW12 (NM_207102) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW12 (NM_207102) 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:

>RG220761 representing NM_207102
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATCCGATTGCCTGACTTAGCTTTGAAGCGAATCTTCTTTTCCTGGACCTGTTCCGCTTGCTGC
 AGGTTTCCAGGTGAACAAGCATTGGAATAGGATTGCAGACAGTATTACCTGTGGAGGTCACTATCTCT
 GCAGAGATGGGACTGCAGCAACTTCACCAATCAACACCTGGGCACACACACATGGAAGCAATTTTCCTG
 CATCAAAGAAGGAAGGAGCTTCGGTTGGCATTGGCACAGCCGCATAAATTATCTACAAAGTAACAAAGA
 ACATCGCATTTGAGACGGAGTTGGCTTATCTCTCAGGAAATAGACTTACAGTGGATGAACAGGAGAAATC
 AATCATTTGTAGTGTATCTCAAAGCAAGACTTTGTGCCTGGGATGTGCAAGAGGGTACCATGATCTGG
 TCAAGCCCAGTCCAGGAGTTCATTTCTCAAATCTGGTAAACCCTCCCTCAGATGCATCTCGCCATCACTA
 TGGATCGGAAAAAACTATCAAAGTGTGGAAGTGTGAGCAGGGACGCTCTGGCTGTTCTCCCCATGCC
 ACAGCCCTGTTATTGCATGGAAGCCTATCTTACAAGGATGGCCATTCTGATGGTTGGCGATGCTGCA
 GGTGACATCTACACATTTACACTGCCTGGGTTAAGAGATGTTTCTAAAGTACTGCATTTCAATATGGTA
 TTGACTTCTACACTGCTCTCCTGACAAGAAATGGGTATTTGCATGTGGGACATACAGTCGTACCTTGCC
 ACAGGTATTCTCACAGAGTCTTACTGAGACCATCAGAAGGCAGTGATCCTCTGTCTACCTTTCTCCCA
 CATAAATTATGTGCCAGCGCCTGCTGGACCCCAAAGGTGAAAAACAGGATAACACTGATGTCCCAAAGTA
 GCACTGGAAAAAAGACAGAATTTATCACCTTGTATCTACCAACCAAGAAGACTGGAGGCCAAACAGTCAT
 CCAAGCATATGAGATCGCAAGTTCCAGGTGGCAGCTCATCTGAAGTGCCTATCTGGATGGGAGCCAGT
 GATGGATATATGATTGTCTTTACCAGTGGACCATACTTGTACTCTTACGATCACTGGCTTCTCTGCTGC
 AACGATTTGAGGACCATCAGGCAGCCATCAACAACCTTCTGGGTGGATCCTTGCTATGTGCTCACCACATC
 CGAGAACTCTGTGCACGTGTACATGTGGGAAGAAGGAGGCCCATCCATACCTCAGGAGCTGTGTAC
 CTGGAAAAACAGTGGCATGATCACACAACAGACAGCTGCATCTCCAGTGTGATGTGTGATAATGCAAGCA
 TAGTACTTAGGGTGAAGAAAGTAAGTACTCCAGCATTCTGGTGTGATTCTTTGAATACG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG220761 representing NM_207102
 Red=Cloning site Green=Tags(s)

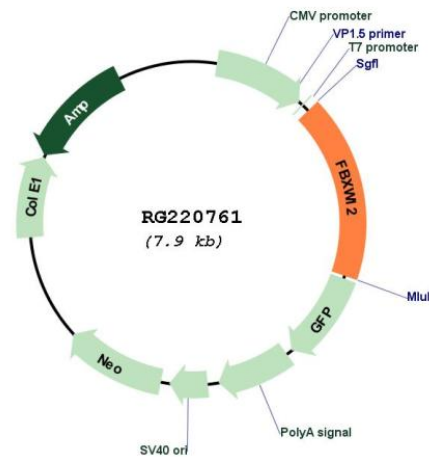
MEIRLPDLALKRIFSFLDLFGLLQVSQVKNHWNRIADSDYLWRSLSLQRWDCSNFTNQLGTHTWKQFFL
 HQRRKELRLALAQPHNFIYKVTKNIAFETELAYLSGNRLTVDEQEKSIIICSVSPKQELCAWDVQEGTMIW
 SSPVQEFHFSNLVTLPMHLAITMDRKKTIKVVNQCQDRDALAVLPMPQPCYMEAYLTKDGPFLMVGDA
 GDIYTFPLPGLRDVSKVTAQYQIVLLHCSPPDKKVVAFAGTYSTRTPQVFLTESLLRPSSESDPLSTFLP
 HKLCASACWTPKVNRIITLMSQSSTGKKEFIFDLPTKKTGGQTVIQAYEIASFQVAHLKCPIMMGAS
 DGYMIVFTSGPYLLLFSITGFLLQRFEDHQAAINNFVWVPCYVLTTSNSVHVYMWEEGGRHPYLRSCCH
 LENTWHDHTTDSICSSVMCDNASIVLRVRKVSDDSSILVMYSLNT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_207102

ORF Size: 1392 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_207102.1</u> , <u>NP_996985.1</u>
RefSeq Size:	1647 bp
RefSeq ORF:	1395 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]