

Product datasheet for **RG213316**

FBXW8 (NM_012174) Human Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | FBXW8 (NM_012174) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | FBXW8 |
| Synonyms: | FBW6; FBW8; FBX29; FBXO29; FBXW6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG213316 representing NM_012174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGACTACAGCCTGGATGAGTTCCGTCCGGCTGGCAGGAGAGCTGGCGCAGGCCAGGCGCCGA
 AGAAGCGGCGACGCCGAGGCTGCCGAGAGCGGGCTCGGCGGCCGAGAATGAAATGAATGATGTGCC
 TTTCTTTGATATCCAACCTGCCTTACGAATTGGCAATCAATATATTTTCAGTATCTGGACAGGAAAGAACTA
 GGAAGATGTGCACAGGTGAGCAAGACGTGGAAGGTGATTGCAGAGGATGAGGTGCTGTGGTACAGGCTGT
 GCCAGCAGGAAGGGCACCTTCCGGATAGCAGCATCTCTGACTATTCTTGTGGAAGCTCATCTTCCAAGA
 GTGCCGAGCCAAGGAACACATGTTACGAACCAACTGGAAGAATCGCAAAGGTGCCGTGAGCGAGCTGGAG
 CATGTTCTCTGACACAGTTTGTGTGATGTGCATTCTCACGATGGTGTGGTCATTGCGGGATATACATCAG
 GGGATGTGAGAGTGTGGACACCCGCACCTGGGACTACGTAGCCCCCTTCTGGAATCAGAGGACGAGGA
 GGATGAGCCTGGAATGCAGCCAAATGTCTCTTTGTGAGGATAAACAGCTCGTTGGCAGTAGCAGCTTAT
 GAGGATGGGTTTCTTAATATTTGGGATTTAAGGACCGGAAAGTACCCTGTTTCATCGTTTTGAGCAGCATG
 CAAGAATACAGGCACTAGCCCTCAGCCAGGACGATGCAACCGTGCCACAGCTTCTGCTTTTGTATGTCGT
 GATGTTATCCCCAATGAGGAGGGTACTGGCAGATAGCTGCGGAATTTGAAAGTCCGAAACTGGTTCAG
 TACCTTGAATAGTTCAGAAACAGAAAGGTACCCTGTGGCAGTAGCCGCTGCTGGAGATCTGATGTACC
 TGCTCAAAGCCGAAGACTCCGCCAGAACCCTCCTTTACGCCACGGCCCGCTGTACATGTCTAGACGT
 CTCGGCAACCAAGTTGCTTTTGGTGTACAGGGTCTGGGATGGGTGTACGAAGGAAGCAAGATCCTGGTG
 TATAGCCTGGAAGCAGGACGCCCGCTCTTGAAGCTGGTAACGTTCTCCGTGACTTACGTGTGTCAACC
 TCAGCGACAGCCCTCCCAACCTCATGGTCAGTGGCAACATGGACGGGAGGGTGAAGATCCACGACCTCCG
 CAGTGGTAAACATCGCCCTGTCTGCTCTCCGCCATCAGCTCAGGGTCTCTGCTGTGCAGATGGATGACTGG
 AAGATCGTCAGTGGAGGCGAGGAAGGCCTGGTGTCCGTGTGGATTATCGGATGAACCAGAACTGTGGG
 AGGTGTATTCCGGGACCCGGTGCAGCAGATCTCATTGACAGCCACAGCCTCATCACGGCAACGTGCC
 TTACCAGCGGTAATGCGAAACGCCGACCTGGACAGCTTCACTACTCACAGGAGACACCGGGGGCTGATC
 CGCGCCTATGAGTTTGGGTGGACAGCTGGCCTTCCAGAGCCCTCTCCCTGTCTGCCGTTTCATCTGTG
 ACGCCATGGCCACTCACTACTACGACCTCGCACTGGCCTTCCCTATAACCATGTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG213316 representing NM_012174
 Red=Cloning site Green=Tags(s)

MDDYSLDEFRRRQEEELAQAPKRRRPEAAERRARRPENEMNDVPPFDIQLPYELAINIFQYLDKREL
 GRCAQVSKTWKVI AEDEVLYRLLCQEGHLPDSSI SDYSCWKLIFQECRAKEHMLRTNWKNRKAVSELE
 HVPDVTLCVHSHDGVVIAGYTSGDVRVWDTRTWYVAPFLESEDEDEPGMQPNVSVFRINSSLAVAAY
 EDGFLNIWDLRTGKYPVHRFEHDARIQALALSQDDATVATASAFDVVMLSPNEEGYWQIAAEFEVPLVQ
 YLEIVPETRRYPVAVAAAGDLMYLLKAEDSARTLLYAHGPPVTCLDVANQVAFGVQGLGWVYEGSKILV
 YSLEAGRLLKLGVLVDFTCVNLSDSPPNLMVSGNMDGRVRIHDLRSGNIALSLSAHQLRVSAVQMDDW
 KIVSGGEEGLVSVWVDRMNQKLWEVYSGHPVQHISFSSHLITANVPYQTVMRNADLDSFTTHRRHRLI
 RAYEFAVDQLAFQSPLPVCRSSCDAMATHYYDLALAFPYNHV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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|-------------------------------|---|
| ACCN: | NM_012174 |
| ORF Size: | 1596 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: | NM_012174.1 , NP_036306.1 |
| RefSeq Size: | 4673 bp |
| RefSeq ORF: | 1599 bp |
| Locus ID: | 26259 |
| UniProt ID: | Q8N3Y1 |
| Cytogenetics: | 12q24.22 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Ubiquitin mediated proteolysis |
| Gene Summary: | This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene contains a WD-40 domain, in addition to an F-box motif, so it belongs to the Fbw class. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] |