

Product datasheet for **RG206199**

FBXW8 (NM_153348) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW8 (NM_153348) 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:

>RG206199 representing NM_153348
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGACTACAGCCTGGATGAGTTCCGTGCGGCTGGCAGGAGAGCTGGCGCAGGCCAGGCGCCGA
 AGAAGCGGCGACGGCCGAGGCTGCCGAGAGGCGGGCTCGGCGGCCGAGGTGGGCTCCGGGCGCAGCGA
 ACAGGCCCTCGGGGACCCGGCGCTGGCCAGGGTCTCCTGGAGGCGCGGGGAGGCCCGGCGCGCGG
 GCGACTCGGGCCGAGGGCAGGACGTAGCGAGCCGCTCACGTTCTCCTTGCCCGCAGGGCGCCGGG
 GCGGGGAGCAGCTGGTGGACCAGCTCATCCGCGACCTGAATGAAATGAATGATGTGCCTTTCTTTGATAT
 CCAACTGCCTTACGAATTGGCAATCAATATATTTCACTATCTGGACAGGAAAGAACTAGGAAGATGTGCA
 CAGGTGAGCAAGACGTGGAAGGTATTGCAGAGGATGAGGTGCTGTGGTACAGGCTGTGCCAGCAGGAAG
 GGCACCTTCCGGATAGCAGCATCTGACTATTCTTGGTGAAGCTCATCTTCAAGAGTGCCGAGCCAA
 GGAACACATGTTACAAACCAACTGGAAGAATCGCAAAGGTGCCGTGAGCGAGCTGGAGCATGTTCTGAC
 ACAGTTTTGTGTGATGTGCATTCTCACGATGGTGTGGTATTGCGGGATATACATCAGGGGATGTGAGAG
 TGTGGGACACCCGACCTGGGACTACGTAGCCCCCTTCTGGAATCAGAGGACGAGGAGGATGAGCCTGG
 AATGCAGCCAAATGTCTCCTTTGTGAGGATAAACAGCTCGTTGGCAGTAGCAGCTTATGAGGATGGGTTT
 CTTAATATTTGGGATTTAAGGACCGGAAAGTACCCTGTTTCATCGTTTTGAGCAGCATGCAAGAATACAGG
 CACTAGCCCTCAGCCAGGACGATGCAACCGTGGCCACAGCTTCTGCTTTTGTGATGTCGTGATGTTATCCCC
 CAATGAGGAGGGTACTGGCAGATAGCTGCGGAATTTGAAGTCCGAACTGGTTCAGTACCTTGAATA
 GTTCCAGAAACCAAGGTAACCTGTGGCAGTAGCCGCTGCTGGAGATCTGATGTACCTGCTCAAAGCCC
 AAGACTCCGCCAGAACCATCCTTTACGCCACGGCCCGCTGTACATGTCTAGACGTCTCGGCCAACCA
 AGTTGCTTTTGGTGTACAGGGTCTGGGATGGGTGTACGAAGGAAGCAAGATCCTGGTGTATAGCCTGGAA
 GCAGGACGCCCTCTTGAAGCTGGTAACGTTCTCCGTGACTTCACGTGTGTAACCTCAGCGACAGCC
 CTCCAACCTCATGGTCACTGGCAACATGGACGGGAGGGTGGAGTCCACGACCTCCGAGTGGTAACAT
 CGCCCTGTGCTCTCCGCCATCAGCTCAGGGTCTCTGCTGTGCAGATGGATGACTGGAAGATCGTCAGT
 GGAGGCGAGGAAGGCTGGTGTCCGTGTGGATTATCGGATGAACCAGAAGCTGTGGGAGGTGATTCCG
 GGCACCCGGTGCAGCACATCTATTACAGCCACAGCCTCATCACGGCCAACTGCCTTACCAGACGGT
 AATGCGAAACGCCGACCTGGACAGCTTCACTACTCACAGGAGACACCGGGGGCTGATCCGCGCTACGAG
 TTTGCGGTGGACAGCTGGCCTTCCAGAGCCCTCTCCCTGTCTGCGGTTATCCTGTGACCCATGGCCA
 CTCACTACTACGACCTCGCACTGGCCTTCCCTATAACCATGTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206199 representing NM_153348
 Red=Cloning site Green=Tags(s)

MDDYSLDEFRRRWQEELAQAPKRRRPEAAERRARRPEVSGRSEQASGDPALAQGLLEGAGRPPAAR
 ATRAEGQDVASRSRPLAREGAGGGEQLVDQLIRDLNEMNDVPPFDIQLPYELAINIFQYLDRKELGRCA
 QVSKTWKVI AEDEVLYRQLCQEQEHL PDSSI SDYSCWKL IFQECRAKEHMLQTNWKNRKGAVSELEHVPD
 TVLCDVHSHDGVVIAGYTSGDVRVWDRTRWDYVAPFLESEDEDEPGMQPNVSFVRINSSLAVAAYEDGF
 LNIWDLRTGKYPVHRFEHDARIQALALSQDDATVATASAFDVVMLSPNEEGYWQIAAEFEVPKLVQYLEI
 VPETRRYPVAVAAAGDLMYLLKAEDSARTILYAHGPPVTCLDVSANQVAFGVQGLGWVYEGSKILVYSLE
 AGRRLKLGVLNLDFTCVNLSDSPPNLMVSGNMDGRVRIHDLRSGNIALSLSAHQLRVSAVQMDDWKIVS
 GGEEGLVSVWDYRMNQKLWEVYSGHPVQHSFSSHLITANVPYQTVMRNADLDSFTTTHRRHRGLIRAYE
 FAVDQLAFQSPLPVCRSSCDAMATHYYDLALAFPNVH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_153348.1](#)

RefSeq Size: 4871 bp

RefSeq ORF: 1797 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]