

Product datasheet for **RG218905**

beta TRCP2 (FBXW11) (NM_012300) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta TRCP2 (FBXW11) (NM_012300) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXW11
Synonyms:	BTRC2; BTRCP2; FBW1B; Fbw11; FBXW1B; Hos; NEDJED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG218905 representing NM_012300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGACTCGGTGATTGAGGACAAGACCATCGAGCTCATGTGTTCTGTGCCAAGGCTTTTGTGGC
 TAGGCTGCGCCAACCTGGTAGAGAGCATGTGCGCACTGAGTTGCCTGCAGAGCATGCCAGTGTCAGATG
 TCTCCAGATAAGTAATGGAACATCATCTGTGATCGTCTCCAGAAAAGAGGCCATCAGAAGGAACTATCAA
 AAAGAAAAAGACTTGTGTATTAATATTTTGACCAGTGGTCTGAATCAGATCAAGTGAATTTGTGGAAC
 ATCTTATTTACGAATGTGTATTATCAGCATGGACATTAACCTTTACCTGAAGCCCATGTTGCAGCG
 GGACTTTATTACCGCTTTACCAGAGCAAGGCTTAGATCACATAGCAGAAAAACATTTCTTCGTACCTGGAT
 GCCAGGCTCTGTGTGCAGCAGAGCTGGTATGTAAGAATGGCAGCGAGTGATCTCAGAAGGAATGCTTT
 GGAAGAAGCTGATTGAACGAATGGTACGCACTGATCCCCTATGGAAGGACTTTTCAGAAAAGAGGGTG
 GGATCAGTACCTGTTAAAAACAGACCCACAGATGGCCCTCCAAATTCATTTTATAGGTCATTATACCCA
 AAGATTATCCAGGATATAGAGACTATAGAATCTAACTGGCGGTGGACGACACAACCTGCAGAGGATTC
 AGTGCCGCTCTGAAAATAGTAAAGGTGTCTACTGTTTACAGTACGATGATGAAAAAATTATCAGTGGCCT
 ACGAGATAATTCTATTAAGATATGGGATAAAACCAGCCTGGAATGTTTAAAAGTGTAAACAGGACACACA
 GGCTCTGTCTCTGTCTGCAGTATGATGAGCGTGTATTGTAAGTGGCTCTTCAGATTCTACGGTGAGAG
 TGTGGGATGTGAACACGGGTGAAGTTCTTAACACATTGATCCACCACAATGAGGCTGATTGCACCTACG
 CTTACGAATGGACTGATGGTGACCTGTCCAAGGACCGCTCCATTGCTGTGTGGGACATGGCTTCTGCG
 ACCGACATCACTTTACGCCGTCTCTGGTTGGCCACCGGGCTGCCGTCATGTAGTAGACTTTGACGACA
 AGTACATCGTGTCTGCCCTGGTGACAGGACCATCAAAGTCTGGAGCACGAGCACCTGTAATTTGTTCTG
 TACTCTCAATGGGCACAAGCGGGCATTGCCTGTCTCCAGTACAGGGATCGCCTGGTTGTTAGTGGATCA
 TCAGATAATACCATTAGGCTCTGGGATATTGAATGTGGTGCCTGTTTAAAGAGTCCTAGAGGGACATGAAG
 AATTGGTCCGATGCATCCGGTTTGATAACAAGAGGATTGTGAGTGGGCTATGATGGGAAAATTAAGT
 TTGGGACTTGCAAGCTGCTCTTGACCCTCGAGCCCAAGCACATTGTGTTTGCACATTGGTGGAA
 CATTCTGGACGTGTTTCCGGCTCCAGTTTGTGAGTTTTCAGATCATCAGCAGCTCCCATGATGACACTA
 TTTTGATTTGGGATTTCTAAATGTGCCTCCAGTGCCCAAGATGAGACCGTCTCCCTCCAGAACATA
 CACTTACATCTCTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218905 representing NM_012300
 Red=Cloning site Green=Tags(s)

MEPDSVIEDKTIELMCSVPRSLWLGANLVESMCAL SCLQSMPSVRCLQISNGTSSVIVSRKRPSEGNQ
 KEKDLCKYFDQWSESDQVEFVEHLISRMCHYQGHINSYLPMLQRDFITALPEQLDHAENILSYLD
 ARSLCAAELVCKEQRVI SEGMLWKKL IERMVRTDPLWKGLSERRGWDQYLFKNRPTDGPNSFYRSLYP
 KIIQDIETIESNWRGRHNLQRIQCRSENSKGVYCLQYDDEKIIISGLRDNSIKIWDKTSLECLKVLTGHT
 GSVLCLQYDERIVTGSSTVVRVVDVNTGEVNLNLIHHNEAVLHLRFNGLMVTCSKDRSIAVWDMASA
 TDITLRRVLVGHRAAVNVVDFDDKYIVSASGDRTIKVWSTSTCEFVRTLNHGKRGIAQLQYRDLVVS
 SDNTIRLWDIECGACLRVLEGEELVRCIRFDNKRIVSGAYDGKIKVWDLQAALDPRAPASTLCLRTLVE
 HSGRVFRLQFDEFQIISSSHDDTILIWDFLNVPPSAQNETRSPSRITYYISR

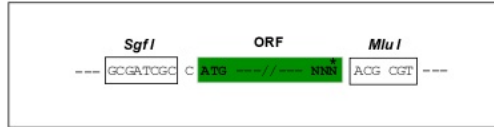
TRTRPLE - GFP Tag - V

Restriction Sites:

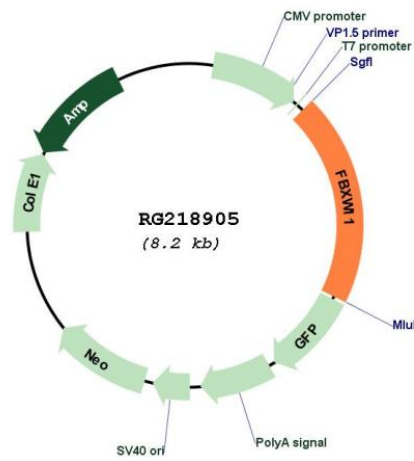
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_012300
ORF Size:	1626 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_012300.3
RefSeq Size:	4575 bp
RefSeq ORF:	1629 bp
Locus ID:	23291
UniProt ID:	Q9UKB1
Cytogenetics:	5q35.1
Domains:	WD40, F-box
Protein Families:	Druggable Genome
Protein Pathways:	Hedgehog signaling pathway, Oocyte meiosis, Ubiquitin mediated proteolysis, Wnt signaling pathway

Gene Summary:

This gene encodes a member of the F-box protein family which is 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 3 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 belongs to the Fbws class and, in addition to an F-box, contains multiple WD40 repeats. This gene contains at least 14 exons, and its alternative splicing generates 3 transcript variants diverging at the presence/absence of two alternate exons. [provided by RefSeq, Jul 2008]