

Product datasheet for **RG204407**

beta TRCP2 (FBXW11) (NM_033644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta TRCP2 (FBXW11) (NM_033644) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	beta TRCP2
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:

>RG204407 representing NM_033644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGACTCGGTGATTGAGGACAAGACCATCGAGCTCATGAACACTTCAGTTATGGAAGATCAAA
 ATGAAGATGAGTCCCAAGAAAAATACTTTGGCAGATAAGTAATGGAACATCATCTGTGATCGTCTC
 CAGAAAGAGGCCATCAGAAGAACTATCAAAAAGAAAAAGACTTGTGTATTAATATTTTGACCAGTGG
 TCTGAATCAGATCAAGTGAATTTGTGGAACATCTTATTTACGAATGTGTATTATCAGCATGGACATA
 TTAACTCTTACCTGAAGCCCATGTTGCAGCGGGACTTTTACCCTTTACCAGAGCAAGGCTTAGATCA
 CATAGCAGAAAACATTCTTTCGTACCTGGATGCCAGGTCTCTGTGTGCAGCAGAGCTGGTATGTAAGAA
 TGGCAGCGAGTGATCTCAGAAGGAATGCTTTGGAAGAAGCTGATTGAACGAATGGTACGCACTGATCCCC
 TATGGAAGGACTTTAGAAAGAAGAGGGTGGGATCAGTACCTGTTTAAAAACAGACCCACAGATGGCCC
 TCCAAATTCATTTATAGGTCATTATACCAAAGATTATCCAGGATATAGAGACTATAGAATCTAACTGG
 CGGTGTGGACGACAACTTGCAGAGGATTCAGTGCCGCTCTGAAAATAGTAAAGGTGTCTACTGTTTAC
 AGTACGATGATGAAAAATTATCAGTGGCTACGAGATAATTCTATTAAGATATGGGATAAAACCAGCCT
 GGAATGTTTAAAGTGTTAACAGGACACACAGGCTCTGTCCTCTGTCTGCAGTATGATGAGCGTGTATT
 GTAAGTGGCTCTTACAGTTCTACGGTGAGAGTGTGGGATGTGAACACGGGTGAAGTTCTAACACATTGA
 TCCACCACAATGAGGCTGTATTGCATTCAGCTTACGCAATGGACTGATGGTGACCTGTTTCAAGGACCG
 CTCCATTGCTGTGTGGGACATGGCTTCTGCGACCGACATCACTTACGCCGTGCTCTGGTGGCCACCGG
 GCTGCCGTCAATGTAGTAGACTTTGACGACAAGTACATCGTGTCTGCCTCTGGTGACAGGACCAAAAG
 TCTGGAGCAGGACACCTGTGAATTTGTCTACTCTCAATGGGACAGCGGGGATTCCTGTCTCCA
 GTACAGGGATCGCCTGGTTGTTAGTGGATCATCAGATAATACCATTAGGCTCTGGGATATTGAATGTGGT
 GCCTGTTTAAAGTCTAGAGGACATGAAGAATTGGTCCGATGCATCCGGTTTGATAAACAAGAGGATTG
 TCAGTGGGCTATGATGGGAAAATTAAGTTTGGGACTTGAAGCTGCTTTGACCCTCGAGCCCCAGC
 AAGCACATTGTGTTTGGCACATTGGTGAACATTCTGGACGTGTGTTTCGGCTCCAGTTTGATGAGTTT
 CAGATCATCAGCAGCTCCCATGATGACACTATTTTATTGGGATTTCTTAAATGTGCCTCCAGTGCCC
 AGAATGAGACCCGTTCTCCCTCCAGAACATACACTTACATCTCTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204407 representing NM_033644
 Red=Cloning site Green=Tags(s)

MEPDSVIEDKTIELMNTSMEDQNEDESPKKNLWQISNGTSSVIVSRKRPSEGNVQKEKDLCKIFYDQW
 SESDQVEFVEHLISRMCHYQHGINSYLPMLQRDFITALPEQGLDHAENILSYLDARSLCAAELVCKE
 WQRVISEGMLWKKLIERMVRTDPLWKGLSERRGWDQYLFKNRPTDGPNSFYRSLYPKIIQDIETIESNW
 RCGRHNLRQIQCRSENSKGVYCLQYDDEKIIISGLRDNSIKIWDKTSLECLKVLTGHTGSVLCLQYDERVI
 VTGSSDSTVRVWDVNTGEVLNLIHHNEAVLHLRF SNGLMVTCSKDRSIAVWDMASATDITLRRVLVGH
 AAVNVVDFDDKYIVSASGDRTIKVWSTSTCEFVRTLNHGKRGIAQLYRDRLVVSAGSSDNTIRLWDIECG
 ACLRVLEGHEELVRCIRFDNKRIVSGAYDGKIKVWDLQAALDPRAPASTLCLRTLVEHSGRVFRLQFDEF
 QIISSSHDDTILIWDFLNVPASQNETRSPSRITYISR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_033644

ORF Size: 1587 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:

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_033644.3](#)

RefSeq Size: 4536 bp

RefSeq ORF: 1590 bp

Locus ID: 23291

UniProt ID: [Q9UKB1](#)

Cytogenetics: 5q35.1

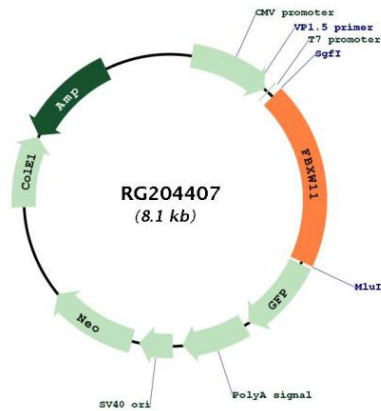
Domains: WD40, F-box

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]

Product images:



Circular map for RG204407