

Product datasheet for **SC125348**

beta TRCP2 (FBXW11) (NM_033645) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta TRCP2 (FBXW11) (NM_033645) Human Untagged Clone
Tag:	Tag Free
Symbol:	beta TRCP2
Synonyms:	BTRC2; BTRCP2; FBW1B; Fbw11; FBXW1B; Hos; NEDJED
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_033645 edited
 GAATTCGGCACGAGGCGCGGCCCGGGCGGCTGGCAGCTAGAGTGGGTGCGATAGCCGC
 CTCCGCCTCTGCCGCCTCCGCCGTCGCCTCCTCCGCCCGGGCCGTTTCGCTGCTGCCGGG
 GAGAGCGAGGCGGGGCCCGGGGCCCATGGAGCCCGACTCGGTGATTGAGGACAAGA
 CCATCGAGCTCATGATAAGTAATGGAACATCATCTGTGATCGTCTCCAGAAGAGGCCAT
 CAGAAGGAAACTATCAAAAAGAAAAAGACTTGTGTATTAATATTTTGACCAGTGGTCTG
 AATCAGATCAAGTGAATTTGTGGAACATCTTATTTACGAAATGTGTCATTATCAGCATG
 GACATATTAACCTTACCTGAAGCCATGTTGCAGCGGGACTTTATTACCGCTTTACCAG
 AGCAAGGCTTAGATCACATAGCAGAAAACATTCTTTTCGTACCTGGATGCCAGGTCTGT
 GTGCAGCAGAGCTGGTATGTAAGAATGGCAGCGAGTGATCTCAGAAGGAATGCTTTGGA
 AGAAGCTGATTGAACGAATGGTACGCACTGATCCCCTATGGAAAGGACTTTCAGAAAGAA
 GAGGGTGGGATCAGTACCTGTTTAAAAACAGACCACAGATGGCCCTCCAATTCATTTT
 ATAGGTCAATTATACCCAAAGATTATCCAGGATATAGAGACTATAGAATCTAACTGGCGGT
 GTGGACGACACAACCTTGCAGAGGATTCAGTGCCGCTCTGAAAATAGTAAAGGTGTCTACT
 GTTTACAGTACGATGATGAAAAATTAACAGTGGCCTACGAGATAAATCTATTAAGATAT
 GGGATAAAACCAGCCTGGAATGTTTGAAGTGTAAACAGGACACACAGGCTCTGCCTCT
 GTCTGCAGTATGATGAGCGTGTCTTGTAACTGGCTCTTCAGATTCTACGGTGAGAGTGT
 GGGATGTGAACACGGGTGAAGTTCTTAACACATTGATCCACCACAATGAGGCTGTATTGC
 ACTTACGCTTCAGCAATGGACTGATGGTGACCTGTTCCAAGGACCGCTCCATTGCTGTGT
 GGGACATGGCTTCTGCGACCGACATCACTTTACGCCGTGCTGTTGGCCACCGGGCTG
 CCGTCAATGTAGTAGACTTTGACGACAAGTACATCGTGTCTGCCTCTGGTGACAGGACCA
 TCAAAGTCTGGAGCACGAGCACCTGTGAATTTGTTTCGACTCTCAATGGGCACAAGCGGG
 GCATTGCCTGTCTCCAGTACAGGATCGCCTGGTTGTTAGTGGATCATCAGATAATACCA
 TTAGGCTCTGGGATATTGAATGTGGTGCCTGTTTAAAGTCTAGAGGGACATGAAGAAT
 TGGTCCGATGCATCCGGTTTGATAACAAGAGGATTGTCAGTGGGGCTATGATGGGAAAA
 TTAAGTTTGGGACTTGAAGCTGCTCTTGACCCTCGAGCCCCAGCAAGCACATTGTGTT
 TGCGCACATTGGTGAACATTCTGGACGTGTGTTTCGGCTCCAGTTTGATGAGTTTCAGA



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TCATCAGCAGCTCCCATGATGACACTATTTTGATTGGGATTTCTTAAATGTGCCTCCCA
 GTGCCAGAATGAGACCCGTTCTCCCTCCAGAACATACACTTACATCTCTAGATAACAGT
 CTGCACCTTACCCCGTTTCAGGGTTTTCTAGTCTTGAACACTGGCTACGTGGCTACCAA
 ATGCCTAAGGGAGTTCGTTACAGCTGAGTTATGAAGCTGGAATTGGTTCTAGACGCTGG
 GTAGATGCAAAGCAGCCTAACTCTCAAGTACCGACATTTCTCACCTCTGATTCCGGCTC
 TCCTTTGAGAAGGAGACCTTAGCTTCCCCGGCTCAAGTAGAACAGAAGCCCGTTTCCTT
 CCCTCATCAGTGAAAAATCTAATGTTTTCAAATGTAATTTGTTTCATAGAAAAGAACATA
 GAATCTGTTTTACAGAAGTAAATCGACCGTCAAGAGAAGACTTGGCCTCTAATTTATATT
 GCTTTGCACTTTGGTTTGATTAAGAAACAGCATTCTTCTTCAAGTGAATTTTGGGTGC
 CAAACACCTACCCAGAATGTCCAGGGCTTTCATTTTCAAAGTTAGCATTCTCCTTTTGA
 CCGTCCAAGTCATTATGAATTCTGACTTGTGTATTAGGAACATGTTGGACAGTGAAAA
 TTTTCTCTGGATTGTTTTAGTAATATTTTTGGGATTATACTTCTTTCTGTACCAATTC
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 TATACGTGTGCTTGCCTCTAATTTAAAATACTGTATTGCATGTAGATAAATGTACAT
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 CGCCATTGTTTCAAAGATCAAGGAATGTCAATAACATTTTAAAGGACCAATAAACAGCC
 TCCTATAAAGTAAACCTTCCCGTGGAAGCACACTCTACTACTAAAGGGAAGGCCCTG
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 TGTTTATTGAGTTGGCTTTGCTTTTTAGTTTTCTTTAAAAATAAAATCCTTCCTTCC
 CATGTTACTAAATTAATTTATGTTTTGAGAGGTTGAGTCTCAAAGTGTAACAATAAAC
 CTCCATTCATAAGGTGGATGTTGTAAGCTTGATGGTGGTTGTGAAAGTGAATTTAGCTTTG
 ACCACTTTTCATCCTACAGCTTCAATATCAAAGTGGTTAGGAAAGCCAGGGGGAAGGGA
 GGGGGCAGGGGAGGAGCAATTCTGAATGAATGAATGGATTTTTTGTGTTTTTGCATGT
 TTAATATAGAAGTTCCCTCGTTCCTTGGGAGATGATGGCCTTTGAATATGCAGACAACC
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 CTGGGATTATAATAGTAATCCCAGCCACTCTGGACTTTATTTTGTAAACCATAACTG
 AGCAAATGTAATTAAGTCTATATTAATGTTTTAAAGCACTGGGATAGTCTAATTTCTAAC
 TTGTAATTAATATGTTTGCCAATTATCTGTTTGAATAAATTTGTGTCTGAACAGCTAT
 TGAAACTGTTAAATGTACAGATATTATCATGACAGCTTGTACTGTGGATGTGCTTA
 ATAAAAACAATAAAAAAAAAAAAAAAAAAAAAAAGTCTGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033645 unedited
 ACTATAGGGCGGCCGATTTCGGCACGAGGCGGCCGCCGGGGCGGGCTGGCAGCTAGAGT
 GGGTGCATAGCCGCTCCGCTCTGCCGCTCCGCCGTCGCCTCCTCCGCCGGGCCGT
 TCGCTGCTGCGCGGGGAGAGCGAGGCGGGGCCGCCGGGGCGCCATGGAGCCGACTCGG
 TGATTGAGGACAAGACCATCGAGCTCATGATAAGTAATGGAACATCATCTGTGATCGTCT
 CCAGAAAGAGGCCATCAGAAGGAAACTATCAAAAAGAAAAGACTTGTGTATTAATATT
 TTGACCAGTGGTCTGAATCAGATCAAGTGAATTTGTGGAACATCTTATTTACGAAATGT
 GTCATTATCAGCATGGACATATTAACCTTACCTGAAGCCATGTTGCAGCGGGACTTTA
 TTACCGCTTTACCAGAGCAAGGCTTAGATCACATAGCAGAAAACATTTCTTTCGTACCTGG
 ATGCCAGGTCTCTGTGTGCAGCAGAGCTGGTATGTAAGAATGGCAGCGAGTGATCTCAG
 AAGGAATGCTTTGGAAGAAGCTGATTGAACGAATGGTACGCACTGATCCCCTATGGAAAG
 GACTTTTCAGAAAAGAGGGTGGGATCAGTACCTGTTTAAAAACAGACCCACAGATGGCC
 CTCCAAATTCATTNTATAGGTCATTATACCCAAAGATTATCCAGGATATAGAGACTATAG
 AATCTACTGGCGGTGTGGACGACACAACCTTGACAGAGATTCAAGTCCCGCTCTGAAATAGT
 AAAGGTGCTACTGTNTACAGTACGATGATGAANAATATCAGTGGCCTACGAGATATT
 CTATTAGATATGGGATAAAACANCTGAATGTTTGAAGG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_033645 unedited GTTTTTTTTGTGGGCACTTTCCACAGTACAAANCTGTCATGNATAATATCTGTACAATTT AACAGTTTCAATAGCTGTTCCAGACACAAATTTATTTCAAACAGATAATTGGCAAACATAA TTAATTACAAGTTAGAATTAGACTATCCCAGTGCTTTAAACATTAATATAGCAGTAATT TACATTTGCTCAGTTATGGTTAGCAAAATAAAGTCCAGAGTATGGCTGGGAATTACTATT ATAATCCCAGAAAGTCAGAACTCCTTGGGTGCCAAAGTCCCCTGCTATAATTTAGTAGGC ACAATTCAAAGTTGTCTGCATATTCAAAGGCCATCATCTCCAAGGAACGAGGGGAATT TCTATATTAACATGCAAAAACAACAAAAATCCATTTCATTTCAGAAATTGCCTCCTC CCCTGCCCTCCCTTCCCCTGGGCTTTCCTAACCCAGTTTGATATTGAAGCTGTAGGAT GAAAAGTGGTCAAAGCTAAATCACTTTTACAACCACCATCAAGCTTACAACATCCACCTT ATGAATGGAGTTTATTGTTTACTTTGAGACTCAACCTCTCANAAACATAAATTAATT TAGTAACATGGGAAGGAAGGATTTTATTTTAAAAGAAAACTAAAAAGCAAAGCCAAC TCAATANACAAATCACATACACACACTGATCCCCACACCGTTCTCAATGCAAAGGACA AATCAGAGCCCAGGGCCCTTCCCTTTAGTAGTAGAGTGTGCCTCCACGGGAAGAATTTT ACTTTATAGGAAGCTGTTTATTGGTCCCTTTAAAAGTTATTGACATTCCTTGATCTTTG AAAACAATGGCGAAAGGGCAATCAAACCTAATTTTGAATAAGGGGAGAAAGGATGGCCA ATTGGATGCCCAACGGTCTTTCCATGGCCTTTTCAAGGGCACCGG
Restriction Sites:	NotI-NotI
ACCN:	NM_033645
Insert Size:	4700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_033645.2 , NP_387449.2
RefSeq Size:	4473 bp
RefSeq ORF:	1527 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]
- Transcript Variant: This variant (1) lacks an exon in the 5' coding region, compared to variant 3, and encodes a shorter isoform (A), compared to isoform C.