

## Product datasheet for **RC230868**

### **FBXL5 (NM\_001193534) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXL5 (NM_001193534) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXL5
Synonyms:	FBL4; FBL5; FLR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC230868 representing NM\_001193534  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCCCTTTCTGAAGAAGTGGACGTCTTCACCGCCCCACACTGGCGGATGAAGCAGCTGGTGGGGC  
 TCTACTGCGACAAGCTTTCTAAAACCAATTTTTCCAACAACAACGATTTCCGTGCTCTTCTGCAGCTTT  
 GTATGCTACTTTCAAGGAGTTCAAATGCATGAGCAGATTGAAAATGAATACATTATTGGTTTGCTTCAA  
 CAACGCAGCCAGACCATTATAATGTACATTCTGACAATAAACTCTCGAGATGCTTAGCCTCTTTGAAA  
 AGGGACTGAAGAATGTTAAGAATGAATGAACAGTTAAATTAAGCAAAACAAGTAAAGAGAGATTGGA  
 GGCTTTTACAAGAGATTTTCTCCTCACATGAAAGAGGAAGAGGAGGTTTTTCAGCCCATGTTAATGGAA  
 TATTTTACCTATGAAGAGCTTAAGGATATTAAGAAAGAAAGTATTGCACAACACTGCTCTCAGAAGGATA  
 CTGCAGAACTCCTTAGAGGTCTTAGCCTATGGAATCATGCTGAAGAGCGACAGAAGTTTTTAAATATTC  
 CGTGGATGAAAAGTCAGATAAAGCAGAAGTGTGCAAACTCCACAGGTATAACCCATCTTCTCCTGAG  
 GTAATGCTGTCAATTTTCAAGTATCTTAATCCTCAAGAGTTATGTCGATGCAAGTAAAGCATGAAAT  
 GGTCTCAGCTGACAAAAACGGGATCGCTTTGGAACATCTTTACCCTGTTTATTGGGCCAGAGGTGACTG  
 GTATAGTGGTCCCACACTGAACTTGATACTGAACCTGATGATGAATGGGTGAAAAATAGAAAAGATGAA  
 AGTCGTGCTTTTCATGAGTGGGATGAAGATGCTGACATTGATGAATCTGAAGAGTCTGCGGAGGAATCAA  
 TTGCTATCAGCATTGCACAAATGAAAAACGTTTACTCCATGGCTTAATTCATAACGTTCTACCATATGT  
 TGGTACTTCTGTAAAAACCTTAGTATTAGCATACAGCTCTGCAGTTTCCAGCAAAATGGTTAGGCAGATT  
 TTAGAGCTTTGTCTAACCTGGAGCATCTGGATCTTACCAGACTGACATTTAGATTCTGCATTTGACA  
 GTTGGCTTGGCTGGTTGCTGCCAGAGTCTTGGCATCTTGATCTGCTGGTTGTGAGAAAATCACAGA  
 TGTGGCCCTAGAGAAGATTTCCAGAGCTTTGGAATTCTGACATCTCATCAAAGTGGCTTTTTGAAAACA  
 TCTACAAGCAAAATTACTTCAACTGCGTGGAAAAATAAAGACATTACCATGCAGTCCACCAAGCAGTATG  
 CCTGTTTGACAGATTTAACTAACAAGGGCATTGGAGAAGAAATAGATAATGAACACCCCTGGACTAAGCC  
 TGTTCCTCTGAGAATTTCACTTCTCCTTATGTGTGGATGTTAGATGCTGAAGATTTGGCTGATATTGAA  
 GATACTGTGGAATGGAGACATAGAAATGTTGAAAGTCTTGTGTAATGGAACAGCATCCAACCTTAGTT  
 GTTCCACCTCTGGTTGTTTTAGTAAGGACATTGTTGGACTAAGGACTAGTGTCTGTTGGCAGCAGCATTG  
 TGCTTCTCCAGCCTTTGCGTATTGTGGTCACTATTTTGTGTACAGGAACAGCTTTAAGAACTATGTCA  
 TCACTCCCAGAATCTTCTGCAATGTGTAGAAAAGCAGCAAGGACTAGATTGCCTAGGGGAAAAGACTTAA  
 TTTACTTTGGGAGTAAAAATCTGATCAAGAGACTGGACGTGACTTCTGTTTCTCAGTTTATCTGGATG  
 TTATCAGATCACAGACCATGGTCTCAGGGTTTTGACTCTGGGAGGAGGGCTGCCTTATTTGGAGCACCTT  
 AATCTCTCTGGTTGTCTTACTATAACTGGTGCAGGCCTGCAGGATTTGGTTTCAGCATGTCTTCTCTGA  
 ATGATGAATACTTTTACTACTGTGACAACATTAACGGTCTCTATGCTGATACCGCAGTGGATGCCAGAA  
 TTTGCAGTGTGGTTTTCGAGCCTGCTGCCGCTCTGGCGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC230868 representing NM\_001193534  
Red=Cloning site Green=Tags(s)

MAPFPPEEVDVFTAPHWRMKQLVGLYCDKLSKTNFSNNNDFRALLQSLYATFKEFKMHEQIENEYIIGLLQ  
 QRSQTIYNVHSDNKLSEMLSLFEKGLKNVKNEYQLNYAKQLKERLEAFTRDFLPHMKEEEEVFQPLME  
 YFTYEELKDIKKKVIAQHCSQKDTAELLRGLSLWNHAEERQKFFKYSVDEKSDKAEVSEHSTGITHLPPE  
 VMLSIFSYLNPQELCRCSQVSMKWSQLTKTGSLWKHLYPVHWARGDWYSGPATELDTEPDDEWVKNRKDE  
 SRAFHEWDEDADIDESEESAEEISIAISIAQMEKRLHGLIHNVLPHYVGTSVKTLVLAYSSAVSSKMVRQI  
 LELCPNLEHLDLTQTDISDSAFDSWSWLGCCQSLRHLDLGSGEKITDVALEKISRALGILTSHQSGFLKT  
 STSKITSTAWKNKDITMQSTKQYACLHDLTNKIGIEEIDNEHPWTKPVSSENFTSPYVWMLDAEDLADIE  
 DTVEWRHRNVELCVMETASNFSCSTSGCFSKDIVGLRTSVCWQQHCASPAFAYCGHSFCTGTALRTMS  
 SLPESSAMCRKAARTLPRGKDLIYFGSEKSDQETGRVLLFLSLSGCYQITDHGLRVLTGGGLPYLEHL  
 NLSGCLTITGAGLQDLVSACPSLNDEYFYCDNINGPHADTASGCQNLQCGFRACCRSGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001193534

**ORF Size:** 2070 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\\_001193534.1](#), [NP\\_001180463.1](#)

**RefSeq Size:** 3537 bp

**RefSeq ORF:** 2073 bp

**Locus ID:** 26234

**UniProt ID:** [Q9UKA1](#)

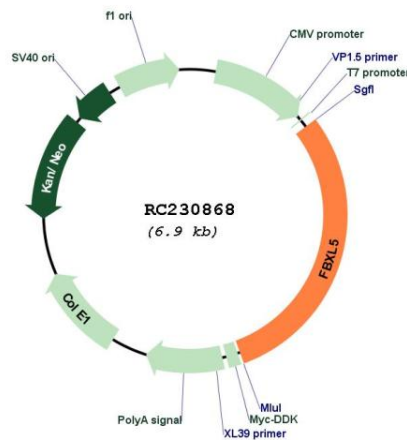
**Cytogenetics:** 4p15.32

**Protein Families:** Druggable Genome

**MW:** 78.4 kDa

**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 Fbls class and, in addition to an F-box, contains several tandem leucine-rich repeats. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2010]

### Product images:



Circular map for RC230868