

## Product datasheet for RC213115

### FBXO22 (NM\_012170) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FBXO22 (NM\_012170) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** FBXO22  
**Synonyms:** FBX22; FISTC1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC213115 representing NM\_012170  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCCGGTAGGCTGCTGCGGCGAGTGCCGCGGCTCCTCCGTAGACCCGCGGAGCACCTTCGTGTTGA  
 GTAACCTGGCGGAGGTGGTGGAGCGTGTGCTCACCTTCCTGCCCGCAAGGCGTTGCTGCGGGTGGCCTG  
 CGTGTCCGCTTATGGAGGGAGTGTGTGCGCAGAGTATTGCGGACCCATCGGAGCGTAACCTGGATCTCC  
 GCAGGCCCTGGCGGAGGCCGCGCCACCTGGAGGGCATTGCTTGGTTCGCGTGGTAGCAGAGGAGCTTGAGA  
 ATGTTTCGCATCTTACCACATACAGTTCTTTACATGGCTGATTAGAACTTTTCATTAGTCTGGAAGAGTG  
 TCGTGGCCATAAGAGAGCAAGGAAAAGAACTAGTATGAAACAGCACTTGCCTTGAGAAGCTATTTCCC  
 AAACAATGCCAAGTCCTTGGGATTGTGACCCAGGAATTGTAGTACTCCAATGGGATCAGGTAGCAATC  
 GACCTCAGGAAATAGAAATTGGAGAATCTGTTTTGCTTTATTATCCCTCAAATGAAGGAATAAAAAAT  
 ACAACCTTTTCATTTTATTAAGGATCCAAAGAAATTAACATTAGAAAGACATCAACTCACTGAAGTAGGT  
 CTTTTAGATAACCTGAACCTTCGTGTGGTCTTGTCTTTGTTATAATTGCTGTAAGGTGGGAGCCAGTA  
 ATTATCTGCAGCAAGTAGTCAGCACTTTTCAGTGATATGAATATCATCTTGGCTGGAGGCCAGGTGGACAA  
 CCTGTCATCACTGACTTCTGAAAAGTATGTCTTGTGTGCTTCTGATTTTCGTCTGTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC213115 representing NM\_012170  
Red=Cloning site Green=Tags(s)

MEPVGCCGECRGSSVDPSTFVLSNLAEVVERVLTFLPAKALLRVACVCRWLWRECVRRVLRTHRSVTWIS  
 AGLAEAGHLEGHCLVRVVAELENVRILPHTVL YMADSETFISLEECRGHKRARKRTSMETALALEKLF  
 KQCQVVLGIVTPGIVVTPMGSGSNRPQEIEIGESGFALLFPQIEGIKIQPFHF IKDPKNLTLERHQLTEVG  
 LLDNPELRVVLVFGYNCKKVGASNYLQQVVSTFSDMNIILAGGQVDNLSSTLSEKYVLCASDFVCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8048\\_g05.zip](https://cdn.origene.com/chromatograms/mk8048_g05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_012170

**ORF Size:** 828 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\\_012170.3](#), [NP\\_036302.1](#)

**RefSeq Size:** 1822 bp

**RefSeq ORF:** 831 bp

**Locus ID:** 26263

**UniProt ID:** [Q8NEZ5](#)

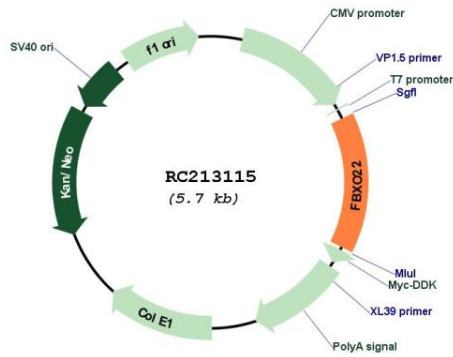
**Cytogenetics:** 15q24.2

**Domains:** F-box

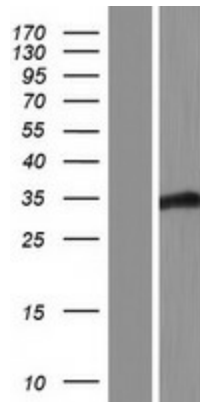
**Protein Families:** Druggable Genome

**MW:** 30.4 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 the 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 Fbxs class and, as a transcriptional target of the tumor protein p53, is thought to be involved in degradation of specific proteins in response to p53 induction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

**Product images:**


Circular map for RC213115



Western blot validation of overexpression lysate (Cat# [LY415947]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213115 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).