

## Product datasheet for **SC110924**

### **FBXO11 (NM\_025133) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXO11 (NM_025133) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO11
Synonyms:	FBX11; IDDFBA; PRMT9; UBR6; UG063H01; VIT1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC110924 sequence for NM\_025133 edited (data generated by NextGen Sequencing)

```
ATGGTTGCAGAAGAATCAGGTCCTGGTGCACAAAATAGTCCATACCAACTTCGTAGAAAA
ACTCTTTTGCCGAAAAGAACAGCGTGTCCACAAAAGAACAGTATGGAGGGCGCCTCAACT
TCAACTACAGAAAACCTTTGGTCATCGTGCAAAACGTGCAAGAGTGTCTGGAAAATCACA
GATCTATCAGCAGCACCTGTGAACAGTATCTTCAGGAGAAAACGCCAGATGAAGTGTT
CTAAAAATCTTCTCTTACTTGTGGAACAGGATCTTTGTAGAGCAGCTTGTGTATGTAAA
CGTTTCAGTGAACCTTGCTAATGATCCAATTTTGTGGAAACGATTATATATGGAAGTATT
GAATATACTCGCCCTATGATGCATCCTGAACCTGGAAAATTCTACCAGATTAATCCAGAA
GAGTATGAACATCCAATCCCTGGAAAGAGAGTTTCCAGCAGTTGTATAAAGGTGCACAT
GTAAAGCCAGGATTTGCTGAACATTTCTACAGTAAACCCTGCAAGATATAAAGGAAGAGAA
AATATGTTGTATTATGATACTATTGAAGATGCCCTTGGTGGGGTACAAGAGGCTCATTTT
GATGGACTTATCTTTGTTCTTCTGGAATATATACTGATGAATGGATATATATTGAATCT
CCAATCACCATGATTGGTGCAGCACCTGGGAAAGTGGCAGACAAAGTTATAATTGAAAAC
ACTAGAGATTCAACCTTCGTTTTTATGGAAGGCTCTGAAGATGCTTATGTTGGATATATG
ACAATAAGGTTTAAACCTGATGACAAATCTGCACAACACCACAATGCACACCCTGCTTA
GAGATTACAGTAAATTGTAGCCCTATTATTGATCACTGTATCATCCGAAGTACATGTACA
GTTGGTTCTGCAGTATGTGTTAGTGGTCAAGGAGCATGTCCACCATCAAGCACTGTAAC
ATCAGTGAAGTGTGAAAATGTTGGACTATATATAACAGATCATGCACAGGGAATATATGAG
GATAATGAAAATTTCCAATAATGCGTTAGCTGGGATTTGGGTTAAAAATCATGAAACCCA
ATTATTAGACGGAATCATATTCATCATGGACGTGATGTTGGTGTGTTACATTTGATCAT
GGCATTGGGTTACTTTGAAAGTTGCAATATACACAGAAAATAGGATAGCAGGCTTTGAAGTA
AAAGCCTATGCTAACCTACAGTGGTTCGATGTGAAATTCACCATGGGCAGACTGGAGGA
ATATATGTCCATGAAAAAGGAAGAGGACAATTCATAGAGAATAAAAATCTATGCAAAACAAC
TTTGCAGGTGATGGATTACCTCAAATAGTGACCCAACAATAAGGGGAAAATTCTATATTT
AATGAAAATCAAGGAGGAGTTTACATCTTTGGTGTGACGAGGCCTTATTGAAGGAAAAT
GACATTTATGGCAATGCATTAGCAGGAATTCAAATTAGGACAAACAGTTGTCCAATTGTT
CGGCATAACAAAATTCATGATGGCCAGCATGGTGGGATTTATGTGCATGAAAAGGGACAA
GGAGTAATAGAAGAGAATGAAGTTTATAGTAACACTCTAGCTGGAGTCTGGGTGACAACT
GGCAGCACTCCAGTACTGAGAAGAAACCGGATACACAGTGGCAAGCAGGTTGGTGTAT
TTTTATGACAATGGACATGGAGTCTAGAAGACAATGATATCTATAATCATATGTATTCA
GGGTTTACAGATAAGGACTGGAAGCAACCCAAAATTAGACGCAACAAAATCTGGGGAGGA
CAGAATGGTGAATTCTAGTTTATAATTCTGGTCTAGGCTGTATAGAAGACAATGAAATA
TTTGACAATGCAATGGCTGGAGTCTGGATTAAGACAGATAGTAATCCTACACTAAGAAGA
AATAAAATCCATGATGGAAGAGATGGTGGCATCTGTATATTTAATGGGGTTCGAGGTCTC
CTTGAAGAAAATGATATTTTTCAGGAATGCTCAAGCAGGTGTTCTCATCAGCACTAATAGT
CATCCAATCTTAAGGAAAAACAGAATATTTGATGGATTTGCCGCAGGTATTGAAATTACA
AATCACGCAACTGCAACACTAGAAGGCAATCAGATTTTTAACACCGGTTTGGAGGCTTA
TTTTTAGCATCTGGTGTTAATGTGACAATGAAAGATAACAAAATGAAACAATCAAGAT
GCCATAGAAAAGGCTGTTAGTAGAGGCAATGTTTATATAAAAATCAAGTTATACCAGC
TATCCCATGCATGATTTCTACAGATGTCATACTTGTAAACACCACAGATCGAAATGCCATA
TGTGTGAAGTGCATTAAGAAGTGCATCAGGGACATGATGTAGAGTTTATTAGACATGAT
AGGTTTTTCTGTGACTGTGGTGTGGAACACTGTCTAATCCTTGTACATTAGCTGGTGAG
CCTACACATGATACAGATACACTATATGACTCTGCTCCACCTATAGAATCTAATACATTG
CAGCACAACCTGA
```

Clone variation with respect to NM\_025133.4

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_025133 unedited  
 AGTATTTTGAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCAGGAGCGG  
 ACAACGTCGGCGAGCGGGATGATGATGTGCCTGCAGATATGGTTGCAGAAGAATCAGGTC  
 CTGGTGACAAAAATAGTCCATACCAACTTCGTAGAAAACTCTTTGCCGAAAAGAACAG  
 CGTGTCCCACAAAGAACAGTATGGAGGGCGCCTCAACTCAACTACAGAAAACTTTGGTC  
 ATCGTGCAAAAACGTGCAAGAGTGTCTGAAAAATCACAAGATCTATCAGCAGCACCTGCTG  
 AACAGTATCTTTCAGGAGAACTGCCAGATGAAGTGGTTCTAAAAATCTTCTCTTACTTGC  
 TGGAACAGGATCTTTGTAGAGCAGCTTGTGTATGTAAACGCTTCAGTGAACCTTGCTAATG  
 ATCCAATTTTGTGAAACGATTATATATGGAAGTATTTGAATATACTCGCCCTATGATGC  
 ATCCTGAACCTGGAAAATTCTACCAGATTAATCCAGAAGAGTATGAACATCCAAATCCCT  
 GGAAAGAGAGTTTCCAGCAGTTGTATAAAGGTGCACATGTAAAGCCAGGATTTGCTGAAC  
 ATTTCTACAGTAACCCTGCAAGATATAAAGGAAGAGAAAAATGTTGTATTATGATACTA  
 TTGAAGATGCCCTTGGTGGGAGTACAAGANGCTCATTNTGATGGACTTATCTTTGTTTAT  
 TCTGGGATATATACTGATGAATGGATATATATTGAATCTNNCATCACCATGATGGNTGCA  
 GCACTGGNGAAGTGGCAGANAAGTTATAATTGAAACACTAAGATCAACCTTCGTTTTTATG  
 GAAGGCTCTGAGAAGCTATGTTGGAATATAACAATAAGGTTAACCTGT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_025133 unedited  
 CTTGGACCGCGGCCGATCTAAATACGGTTTTTTTTTTTTTTTTTTTTTATGATCTAATAAAC  
 TTTATCTTTTTAAAAATGACCATTTTTCCATTTTCTTTCTAGGAAATTAACCCTTTTAA  
 TTCTTATCTACCTTCTACATAATGGTTATTGAATACTCCACAATATATTAAGTCTAGATG  
 TTATGGTACATGCATACACTTTTCAGGCTGTTTTATACCCACTGTCACCAATACACATAAA  
 TGGGGGAGGAAAAGCTATGAAACTGTATAGGGCTGTATATACTTGTCTCAGCTTAATG  
 CAGGAAATTTGGTTAATTTCCAGCAGTTTTGTCTAAACTGTTCAAAAAAAACTATGAAC  
 AGAGTTCAAAATACAGGACTGTTTGTGTTTGAAGAGACTTTCTAAAGTGTACTTAAACATA  
 GTAGTTTTTTACCTTTTCAAAAACACTGAGTTACAAGAATACTTTTGTGTTTACAGTGCATCC  
 CTTCTAGGAAGTCTCATTAAAAACACTCACTTTTTCTAGGGGTGATTTTGAATGCTGCAC  
 AGGGAAGGGAAGGAAATAATAGTCTTAACTTTTCTTAAAGGATACCAGAAACATTGCTGG  
 ATATAATTTAAGATTAGAGCTTTCTCTTTCATAGAAAAGAACGTACATACTGNGACATGAG  
 TACAGTTACAGCAAGTCTAGGTGTGCTAACAAAACAGGGCACATTCGAAGTACAGTAAAGT  
 TCTACTTGAAATTAAAAAACAACTACATGAGATTAAGCATTAAAAATATATTTTCTCAATC  
 TGAATACATGTCTAAAAAAAATCANAAGGAACGAGAAGTGTAGCTCAGTTCACATTTTTACC  
 ATATTACAAAAGCAATGGGTACCCATGTCCATAAAGCAGCAACAAAGCTGCTTGTCTAT  
 TGAGATACTACCGCANATTNACTGCCTTCATGCTCATTGTAAAACCCAGNCTTTCAGAGT  
 GGTATCTGACCAATGCAGTTATTTCTTCTCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_025133

**Insert Size:**

3800 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:**

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\\_025133.3](#), [NP\\_079409.3](#)

**RefSeq Size:** 3951 bp

**RefSeq ORF:** 2532 bp

**Locus ID:** 80204

**UniProt ID:** [Q86XK2](#)

**Cytogenetics:** 2p16.3

**Domains:** PbH1, CASH

**Protein Families:** Druggable Genome

**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 Fbxs class. It can function as an arginine methyltransferase that symmetrically dimethylates arginine residues, and it acts as an adaptor protein to mediate the neddylation of p53, which leads to the suppression of p53 function. This gene is known to be down-regulated in melanocytes from patients with vitiligo, a skin disorder that results in depigmentation. Polymorphisms in this gene are associated with chronic otitis media with effusion and recurrent otitis media (COME/ROM), a hearing loss disorder, and the knockout of the homologous mouse gene results in the deaf mouse mutant Jeff (Jf), a single gene model of otitis media. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jun 2010]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.