

## Product datasheet for **MC222715**

### **Fbxo11 (NM\_001081034) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxo11 (NM_001081034) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo11
Synonyms:	C80048; Jf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

&gt;MC222715 representing NM\_001081034

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACTCCGTCGAGCCGCAACCGGAGACCCAGGCGAGTGTGCGGCCGCGCCCGGTGCAACAGCAGC  
 AGCAGCAGCCCCGAGCAGCCGCGCCGAGCCGCTCAGCAACAGCCCGCCGAGCCGCCAGCA  
 GCCGCGCAGCAGCAGCCCCGCGCGCCGAGCAGCAGCCCCGCGCGCCCGCCCGCTCCGCCG  
 CCGCTCAGGATCGAAACAACGCGCGGAGAGGGATGATGTTCTGCAGATATGGTTGCAGAAGAATCAG  
 GTCCTGGTGCACAAAATAGTCCATACCACTTCGCAGAAAACTCTTTGCAAAAAGAACGCGTGTCC  
 TACAAAGAGCAGTATGGAGGGTGCCTCTACTTCGACTACAGAAACTTTGGTCATCGAGCAAAGCGTGCA  
 AGAGTGTCTGGAAAGTACAAGATCTTTCAGCAGCACCCGCTGAACAGTATCTTCAGGAGAAGCTGCCAG  
 ATGAAGTAGTTTTAAAAATTTTTCTTATTTGCTGGAACAAGACCTTTGTAGAGCTGCTTGCCTGTGTAA  
 ACGCTTCAGTGAGCTTGCTAATGATCCAATTTTGTGAAAACGATTATATATGGAAGTATTGAATATACC  
 CGGCCGATGATGATCCTGAACCTGGTAAATTCTACCAGATTAATCCAGAAGAATATGAACATCCAATC  
 CATGAAAAGAAAGTTTTCAACAGTTGTATAAAGGTGCGCATGTAAGCCAGGATTTGCGGAACATTTCTA  
 TAGTAATCCTGCAAGATACAAAGGAAGAGAAAACATGTTGATTTATGATACTATTGAAGATGCCCTTGGA  
 GGAGTACAAGAAGCACATTTTGTGGGCTTATCTTTGTTCACTTCTGGAATATATACTGATGAATGGATAT  
 ATATTGAATCTCCAATTAATGATTGGTGCAGCACCTGGCAAGGTTGCAGACAAGGTCATCATTGAGAA  
 CACTAGAGATTCGACCTTCGTGTTTCATGGAAGGCTCTGAAGATGCTTATGTTGGATACATGACGATAAGA  
 TTCAACCTGATGACAAATCTGCTCAGCATCACAAACGCACACCACTGCTTAGAGATCACAGTCAACTGCA  
 GCCCTATTATTGACCACTGTATAATCCGAGCAGCATGCACAGTTGGTCTGCAGTGTGTGTCAGTGCCCA  
 GGGGGCTGTCCCACTATCAAGCATTGTAACATCAGTGACTGTGAAAACGTCGGACTTTTATAACAGAT  
 CATGCACAGGGAATATATGAAGATAATGAAATTTCTAATAATGCGTTAGCTGGGATTTGGGTTAAAAATC  
 ATGAAAATCCAATTATTAGACGGAATCACATTCATCATGGACGTGATGTTGGTGTGTTACATTTGATCA  
 TGGCATGGGCTACTTTGAAAGTTGCAACATACACAGAAACAGGATAGCAGGCTTTGAGGTAAGGCTTAT  
 GCCAATCCACAGTGGTTCGATGTGAGATTACCACGGGCAGACTGGAGGAATATACGTCCACGAGAAAG  
 GAAGAGGACAGTTCATAGAGAACAAGATCTATGCAAAACAATTCGAGGCGTGTGGATTACCTCAAATAG  
 TGACCAACAATAAGGGGAATTCTATATTTAATGAAAATCAAGGAGGAGTTACATCTTTGGTGCAGGA  
 CGAGGCCCTTATAGAAGGAAATGACATTTATGGTAAATGCGTTAGCAGGAATTCAGATCAGGACAAACAGTT  
 GTCCTATTGTTTCGACATAACAAAATTCATGATGGACAGCATGGTGGGATTTATGTGCATGAAAAGGGGCA  
 AGGAGTAATAGAAGAGAATGAAGTTTACAGCAACTCTGGCTGGCGTCTGGGTGACAACTGGCAGCACA  
 CCAGTTCTAAGAAGAAACCGGATACACAGTGGCAAGCAGGTTGGTGTATTTCTATGACAAATGGACATG  
 GTGTTCTAGAAGATAACGACATCTACAATCACATGTATTCAGGGGTTTCAGATAAGAACTGGAAGCAACCC  
 CAAAATTAGACGCAACAAAATTTGGGGAGGACAGAATGGTGAATTCTAGTTTATAATCTGGTCTAGGC  
 TGTATAGAAGACAATGAAATATTTGACAACCGGATGGCTGGAGTCTGGATTAAAACAGATAGTAATCCTA  
 CGCTAAGAAGAAAATAAATCCATGATGGAAGAGATGGTGGCATCTGTATATTTAATGGGGTTCGAGGTCT  
 CCTTGAAGAAAATGATATTTTCAGGAACGCTCAAGCAGGTGCTCCTCATCAGCACTAACAGTCATCCAGTA  
 TTAAGGAAAAACAGAATATTTGATGGATTTGCTGCAGGATTGAAATTACAAATCATGCAACTGCAACAC  
 TCGAAGGCAATCAGATCTTTAACAACCGATTTGGAGGCTTATTTTAGCATCTGGTGTAAATGTGCAAT  
 GAAAGATAACAAAATAATGAACAATCAAGATGCCATAGAAAAGGCTGTTAGTAGAGGACAATGTCTATAT  
 AAAATATCAAGTTATACCAGCTACCCATGCATGACTTCTACAGATGTCATACTTGTAAACACCACAGATC  
 GAAATGCCATATGTGTGAACTGCATTAAGAAGTGCATCAGGGACATGATGTAGAGTTTCATTAGACATGA  
 TAGGTTTTTCTGTGACTGTGGTGTGGAACGCTGTCTAATCCTTGTACCTTAGCTGGCGAGCCTACACAC  
 GACACAGACACTCTATGACTCTGCCCACTATAGAATCTAATACGTTGCAGCACAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

<b>ACCN:</b>	NM_001081034
<b>Insert Size:</b>	2793 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001081034.1</a></u> , <u><a href="#">NP_001074503.1</a></u>
<b>RefSeq Size:</b>	4013 bp
<b>RefSeq ORF:</b>	2793 bp
<b>Locus ID:</b>	225055
<b>UniProt ID:</b>	<u><a href="#">Q7TPD1</a></u>
<b>Cytogenetics:</b>	17 57.87 cM
<b>Gene Summary:</b>	<p>Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as DTL/CDT2, BCL6 and PRDM1/BLIMP1. The SCF(FBXO11) complex mediates ubiquitination and degradation of BCL6, thereby playing a role in the germinal center B-cells terminal differentiation toward memory B-cells and plasma cells. The SCF(FBXO11) complex also mediates ubiquitination and degradation of DTL, an important step for the regulation of TGF-beta signaling, cell migration and the timing of the cell-cycle progression and exit. Binds to and neddylates phosphorylated p53/TP53, inhibiting its transcriptional activity. SCF(FBXO11) does not seem to direct ubiquitination of p53/TP53. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer 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.</p>